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Irini in the province of Van (Eastern Turkey)

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Among the local people “Irini” is the earlier name of the village Dağönü, which is located today about 30 km north – northwest of the city centrum Van, at the eastern shore of the Lake Van in eastern Turkey. The village was recorded under the name “Iririn” in the list of Village Names in the Republic of Turkey in 1928. In the illustrated geo natural dictionary by H. S. Eprigyan the name was mentioned as “Érérin” (volume I, Venice 1902, p. 798) and registered as an Armenian village.

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The name occurs in different forms like Irene, Irina, Irini, Eirene, Eireni, Ireen... Ancient writers mentioned the name Eirene as one of the daughter of Zeus and Themis (Hesiod, Theogony 901; Apollodorus, Bibliotheca 1.13; Orphic Hymn 43; Hyginus Fabulae 183). After the victory of Athenians over the Spartans, altars were erected to her in Athens at the public expense. One of the statues of her in Athens carries in its arms Plutus, the god of wealth.

At Rome too, she was worshipped as Pax (peace), daughter of Jupiter and Justitia and had a magnificent temple build was by Emperor Vespasian (69 – 79 AD). The figure Irini, Eirene or Pax occurs on coins and is represented as a youthful female, holding in her left arm a cornucopia and in her right hand an olive branch.

The words “eirenic” or “irenic” were used in 19th century as “peace” or “the time of peace”, according to the Greek word “[εἰρηνικός](#)”, which means peace. The origin of this Greek word can be hang to the root “εἰρῶ”, which connect to the Sanskrit Word “sarat”, and means to put together, to tie, to join, to fasten, to speak, to string... Also the similarity between “[εἰρηνικός](#)” and “[εἰρωνεία](#)” (irony) is interesting, likewise the similarity with the word “iron”.



Statue of Eirene with the infant Plutus from the Glyptothek, Munich - Germany. A Roman marble copy after a bronze votive statue by the Greek sculptor Kephisodotos the Elder (4th century BC), which stood once on the Agora in Athens.



Bearded Dionysos leading the Horae (Seasons) on a marble relief from Louvre, Paris - France. A Roman artwork of the Imperial Era, 1st century AD. Eirene (peace), Eunomia (harmony) and Dike (justice), daughters of Zeus and Themis.



12th century mosaic portrait of Empress Irene (752 – 803) in the Hagia Sophia – İstanbul.

Also the name of the Hittite sun goddess Arinna is similar. According to F. Cornelius this word means in Hittite Language “spring” (Gechichte der Hethiter, Darmstadt 1973, p. 83). Arinna’s cult center with the same name was one of the important cities of the 15th century BC in Anatolia. Although some compares this city with Alacahöyük or Eskiypar, A. Ünal locates it in Lycia in the Valley Xanthos (Hititler Devrinde Anadolu, İstanbul 2002, volume I, p. 185, volume II, p. 11). This name occurs as a mount name, the Mount Arinnanda, which was mentioned in the texts of Mursili II (c. 1321 – 1295 BC), and should be the Mount Mycale / Samsun south of Kuşadası in western Turkey (ibid. volume II, 31 – 32).

There are two famous Irini in the Christian era and known as Irene: One is the Martyr for Catholic Church Saint Irene. She is the wife of Saint Castulus, who is also venerated as a Martyr, and murdered in 286 AD. As he was chamberlain of Emperor Diocletian (245 – 311 AD), he sheltered Christians in his own home and arranged for religious services inside the palace. He was tortured and executed by being buried alive in 286. After two years his wife Irene has took her own life.

Other Irene (born c. 752 – died August 9, 803) was the wife of the Byzantine emperor Leo IV and a saint of the Orthodox Church. On her husband’s death she became in September 780, co-emperor with her 10-year-old son, Constantine VI. She favored the restoration of the use of icons, and supported the Seventh Ecumenical Council, met at Nicaea in 787. She reigned also alone as empress for some years and opened diplomatic relations to the West. In 802 she married the western emperor Charlemagne and therefore officials deposed her and placed on the throne Leo’s half-brother Nicephorus. She was exiled, first to the island of Prinkipo (now Büyükada) and then to Lesbos.

The earlier name of the village Dağönü should be associated more with Byzantine Empress Irene, but also indirectly with the Catholic Christianity and the Greek Mythology. In addition, it is also considered that the name Irini is very similar to the name of Hittite sun goddess Arinna.

Some ruins are visible on eastern side of the Mount Gören, located south of the village Dağönü and extended northwest southeast direction. It was once in this place probably a church or monastery dedicated surely to St. Irene, the Byzantine Empress. This rocky hill is called also “Irini” by local people like the earlier name of the village in north, and this hill is marked on the official maps as “Irerini Tepesi” with a height above sea level 2305,3 m.

<http://zoobank.org/urn:lsid:zoobank.org:pub:D39EE006-7128-4315-8E5E-CC8B058922D0>

Illustrated and annotated list on the Entomofauna of Gören Mount (Van Province, East Turkey), with ecological remarks I – Period of April-June 2014

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Abstract: Illustrated and annotated list on the Entomofauna of Gören Mount (Van Province, East Turkey), with ecological remarks I – Period of April-June 2014. *Priamus* (Suppl.) 33: 5-206, 273 figs. 1 Table.

This study deals with the Entomofauna of Gören Mount in Van Province (East Turkey). Gören Mount hasnot been explored entomologically so far. Authors made numerous field trips to studying area in 2014 between late April to late June. Numerous material were collected, many observations via photography were made. First results are as follows: All taxa reported in this paper are new to Gören Mount. Following species are reported for the first time for Van province: *Tinagma anchusellum* (Benander,1936) (Douglasiidae), *Syncopacma polychromella* (Rebel,1902) (Gelechiidae), *Cleta perpusillaria* (Eversmann,1847) (Geometridae), *Dyscia (Calodyscia) innocentaria* (Christoph,1885) (Geometridae), *Lycia hirtaria* (Linnaeus,1761) (Geometridae), *Rhodostrophia terrestraria* (Lederer,1869) (Geometridae), *Chondrostega pastranum* Lederer,1858 (Lasiocampidae), *Sphingonaepiopsis gorgoniades* (Hübner,[1819]) (Sphingidae), *Zygaena (Mesembrynus) punctum* Ochsenheimer,1808 (Zygaenidae), *Chroantha ornatula* (Herrich-Schäffer,1842) (Pentatomidae), *Theriopectes tricolor* Zeller,1842 (Tabanidae), *Eriothrix rufomaculatus* (De Geer,1776) (Tachinidae), *Xylocopa (Copoxya) armeniaca* Warncke,1982 (Apidae), *Spilichneumon occisorius* (Fabricius,1793) (Ichneumonidae), *Chalicodoma (s.str.) parietina* (Geoffroy,1785) (Megachilidae), *Dasyscolia ciliata* (Fabricius,1787) (Scoliidae), *Bruchidius albopictus* (Allard,1883) (Bruchidae), *Bruchidius bimaculatus* (Olivier,1795) (Bruchidae), *Bruchidius quinqueguttatus* (Olivier,1795) (Bruchidae), *Corabus rubi* (Linnaeus,1767) (Buprestidae), *Julodis andreae* (Olivier,1790) (Buprestidae), *Agapanthia (Agapanthiopia) coeruleipennis* Frivaldsky,1878 (Cerambycidae), *Dorcadion (Cribrodorcadion) mniszcehi* Kraatz,1873 (Cerambycidae), *Neoplagonotus bobelayei* (Brullé,1832) (Cerambycidae), *Pteromallosia albolineata* (Hampe,1852) (Cerambycidae), *Cassida strejceki* Sekerka,2006 (Chrysomelidae), *Clytra (Clytraria) novempunctata* Olivier,1808 (Chrysomelidae), *Clytra (Ovoclytra) bodemeyeri* Weise,1900 (Chrysomelidae), *Entomoscelis sacra* (Linnaeus,1758) (Chrysomelidae), *Trichodes dilatipennis* Reitter,1893 (Cleridae), *Trichodes nobilis* Klug,1842 (Cleridae), *Anthrenus (s.str.) pimpinellae* (Fabricius,1775) (Dermestidae), *Lydus unicolor* Reitter,1887 (Meloidae), *Meloe (Taphromeloe) erythrocnemus* Pallas,1782 (Meloidae), *Ptilophorus dufouri* (Latreille,1817) (Ripiphoridae). One species (*Rhodostrophia terrestraria*) is reported for the first time for Turkey. Totally 406 taxa of 99 families of 11 orders are listed with synonyms, and distributional codes. Totally 273 original photographs are used here. Among them 51 taxa indeterminated at species level. They may contain some new species to science. Ecological the behavioural observations via photography were realized and evaluated. Entomofloristical evaluations were also made. Totally 99 families in 11 orders, together with their number of taxa listed in this paper, are as follows: *Lepidoptera*, butterflies: *Argynniidae* (10), *Hesperiidae* (10), *Libytheidae* (1), *Lycaenidae* (25), *Papilionidae* (4), *Pieridae* (5), *Satyridae* (10); moths: *Arctiidae* (4), *Brachodidae*, *Coleophoridae*, *Cossidae* (1), *Douglasiidae* (1), *Drepanidae* (1), *Ethmiidae* (1), *Gelechiidae* (2), *Geometridae* (28), *Lasiocampidae* (3), *Lymantriidae* (1), *Noctuidae* (61), *Notodontidae* (3), *Oecophoridae* (4), *Plutellidae* (1), *Pterophoridae* (2), *Pyralidae* (37), *Scythridae* (1), *Sphingidae* (6), *Tineidae* (1), *Tortricidae* (8), *Zygaenidae* (6). *Odonata*: *Coenagrionidae* (1), *Cordulegasteridae* (1), *Libellulidae* (4). *Dermaptera*: *Forficulidae* (2). *Mantodea*: *Empusidae* (1), *Mantidae* (1). *Orthoptera*: *Acrididae* (8), *Gryllidae* (2), *Pamphagidae* (2), *Tettigoniidae* (3). *Hemiptera*: *Alydidae* (2), *Berytidae* (1), *Cydnidae* (1), *Coreidae* (5), *Lygaeidae* (2), *Nabidae* (1), *Pentatomidae* (12), *Reduviidae* (1), *Rhopalidae* (2), *Miridae* (1), *Scutelleridae* (1), *Stenocephalidae* (1). *Homoptera*: *Cercopidae* (2), *Cicadellidae* (2), *Cicadidae* (2). *Neuroptera*: *Mantispidae* (1), *Myrmeleonidae* (1), *Nemopteridae* (1), *Raphidiidae*. *Diptera*: *Acroceridae* (1), *Anthomyiidae* (1), *Asilidae*, *Bibionidae* (1), *Bombyliidae* (10), *Empidae*, *Nemestrinidae* (3), *Platystomidae* (1), *Stratiomyidae* (2), *Syrphidae* (7), *Tabanidae* (1), *Tachinidae* (3), *Tephritidae* (5), *Therevidae*, *Tipulidae* (1), *Ulidiidae*. *Hymenoptera*: *Apidae* (9), *Argidae* (1), *Crabronidae* (1), *Cynipidae* (1), *Halictidae* (2), *Ichneumonidae* (1), *Megachilidae* (2), *Scoliidae* (1), *Vespidae* (4). *Coleoptera*: *Bruchidiidae* (3), *Buprestidae* (2), *Cerambycidae* (10), *Chrysomelidae* (7), *Cicindelidae* (1), *Cleridae* (4), *Coccinellidae* (2), *Curculionidae* (3), *Dermestidae* (1), *Glaphyridae* (2), *Meloidae* (2), *Melyridae* (2), *Mordellidae* (1), *Ripiphoridae* (1), *Scarabaeidae* (6), *Tenebrionidae*. *Strepsiptera*.

Key words: Entomofauna, *Odonata*, *Dermaptera*, *Mantodea*, *Orthoptera*, *Hemiptera*, *Homoptera*, *Neuroptera*, *Lepidoptera*, *Diptera*, *Hymenoptera*, *Coleoptera*, *Strepsiptera*, fauna, Ecology, Ethology, behaviour, Gören Mt., Irerini, Van, Turkey.

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Introduction

The mount Gören (old name Irerini, *see previous article above*) is located at 25-30km North of Van city, about 7 km basal diameter, with several rocky peaks of the altitudes 2260m, 2300m, 2305m. On its northern slope, a coastal village Dağönü is located. Animal husbandry is the main occupation of the villagers. Upper heights of the northern slopes are more humid; therefore richer in herbaceous plant cover (Prango-Astragaletum). As peasant activities, i.e., cutting grasses in summer and producing hay for winter food of cattles and sheeps are seen here frequently. The plains are mainly used for wheat or clover farming with primitive methods. Very rarely, degraded tragacanthic steppe remnants are seen between these fields. The southern slopes of the upper parts of the mountains are covered by tragacanthic steppe, usually degraded, rarely in good condition with sporadic *Rosa* and *Crataegus* bushes. *Astragalus*, *Onobrychis*, *Alkanna*, *Verbascum*, *Salvia*, *Phlomis*, *Thymus*, *Eryngium*, *Euphorbia*, *Poaceae* are seen predominantly (For further plant groups recorded at Gören Mt., see page 206).

On the Entomofauna of this mountain is completely unknown so far. Therefore, the title of this research is new for entomological literature. In the first place, the lepidopteran groups will be studied in detail. Beginning date of this survey is late April May of 2014.

In the county Tuşba² [Code: 65N], transportation is currently possible only among the villages through the earth roads. Middle or upper heights of the mount are not accessible by small vehicle (Fig.). Therefore, Gören Mt. is accessible only in dry seasons between 1660-2100m altitudes for the diurnal and nocturnal field studies.

Peasant settlements around the mount, together with their elevations are as follows; on the west, coastal villages Ağartı [Ayanis] (1750m), Özyurt (1730m); on the northern slope, Dağönü (1730m); on the eastern slope, Güvençli (1750m) and Göllü (1730m); on the South-east Atmaca (1840m); on the South, Alaköy (1730m). All these villages were almost completely destroyed during the last Van earthquake in 2011 (Richter scale 7.2), with the epicenter Tabanlı village, 12km away from Gören towards the north-east.

Environmental geology of the Van Lake Basin was published by Çiftçi et al.,2008.³ In this paper, limited but important information about the geology and the environmental features of the province is found.

Floristically, there is no publication so far, strictly related with the Mount Gören. Therefore, an illustrated list of the Entomoflora of Gören Mt. will be published separately.

In the provinces of Van and Bitlis (Koçak & Kemal, 2012a, 2012b, 2013), studies on the fauna of the following important mountains have been carrying out by the authors since 2001; Ereğ (Kayci,2007; Kemal, Özkol & Kayci,2008; Kemal,2009; Özkol, Kayci & Pınar,2009; Kemal & Koçak,2010a), Artos (Kemal & Koçak,2008; Kemal & Koçak,2013a, 2013b, 2013c; Koçak & Kemal,2008), İspiriz [unpublished], Başet [unpublished], Kato (Kemal & Koçak,2010b), Nemrut (Kemal & Koçak,2006), and Süphan [unpublished]. The surveys on the fauna are still ongoing.

On 23rd April, a one-day entomological trip to northern slopes of Gören Mt. [Code: 65Nm] and its environment was made by the authors. The aim of this visit was to observe the current status of the region, to take photograph of insects in nature, to observe and collect insects by day and by night. The weather was sunny and calm until evening hours; early night it was stormy and partly rainy. After that day, numerous trips were realized by the authors to various parts of the Mount, till 27 June 2014.

The visited localities and their codes of the Mount are explained in Table 1.

² A new district of Van city established in 2013.

³ http://www.jmo.org.tr/resimler/ekler/2d7d2b7f1a9db42_ek.pdf?dergi=JEOLAJ C4 Bo 20M C3 9CHEND C4 BoSL C4 Bo C4 9E C4 Bo 20DERG C4 BoS C4 Bo

Table 1 – Localities studied in the area. Codes⁴ of the places are given here together with brief geographical information, activities, and figures of the illustrations.

Codes	Names	coordinates	activities	illustrations
65Nk	Halkalı 2km SE 1790m	(38°48'43"N 43°20'13"E)	observing & collecting by day	
65Nl	Halkalı 3km SW 1700m [Amik ruin]	(38°48'30"N 43°17'41"E)	observing & collecting by day	
65Nr1	Gören Mt. 1,5km E 1945m	(38°43'06"N 43°16'16"E)	not visited yet	
65Nr2	Gören Mt. 2030m, pr. Dağönü	(38°44'38"N 43°15'06"E)	observing & collecting by day	
65Nr3	Gören Mt. 1960m, pr. Dağönü		observing & collecting by day	
65Nr4	Gören Mt. 2120-2200m, pr. Dağönü	(38°44'30"N 43°14'31"E)	observing & collecting by day	Fig. 11
65Nr5	Gören Mt. S., 1950m, Astragaletum	(38°42'26"N 43°13'57"E)	observing & collecting by day	
65Nr6	Gören Mt. N., 1890m (subaşı)	(38°45'02"N 43°15'29"E)	observing & collecting by day	
65Nr7	Gören Mt. N., 1825m Astragaletum	(38°45'28"N 43°17'08"E)	observing & collecting by day	
65Nm	Gören Mt. (general) 1665-2220m			Figs. 1, 2
65Nn	Yeşilsu 1670m		observing & collecting by day	
65No	Özyurt 1880m		observing & collecting by day	
65Np	Ağartı (Ayanis) rocky slopes 1750m	(38°42'21"N 43°12'31"E)	observing & collecting by day and night by PAIT	Figs. 3, 4, 6
65Np1	Ağartı upper hills, Astragaletum 1860m	(38°41'47"N 43°12'38"E)	observing & collecting by day and night by PAIT	
65Np2	Ağartı upper hills, Astragaletum 1935-1950m	(38°42'52"N 43°13'13"E)	observing & collecting by day and night by PAIT	Fig. 5
65Np3	Ağartı upper hills, Astragaletum 2005m	(38°43'05"N 43°13'29"E)	observing & collecting by day	
65Np4	Çarşulu mvk. (Ağartı) Astragaletum 2050m	(38°43'26"N 43°13'39"E)	observing & collecting by day	
65Np5	Ağartı N, sahil 1660m	(38°43'43"N 43°12'16"E)	observing & collecting by day	Fig. 8
65Np6	Ağartı 1835m	(38°42'41"N 43°12'48"E)	observing & collecting by day	
65Np7	Ağartı (marsh) 1855m	(38°43'00"N 43°12'57"E)	observing & collecting by day	Fig. 7
65Np8	Ağartı (marsh) 1860m Juncetum	(38°42'53"N 43°12'54"E)	observing & collecting by day	
65Ns	Alaköy 1785m heavily degraded steppe	(38°41'09"N 43°14'30"E)	observing & collecting by day	Fig. 9
65Nş	Güvençli, fallow 1765m	(38°44'32"N 43°17'57"E)	observing & collecting by day	Fig. 10

The illustrative results of these trips are given in this paper systematically. During the first part of the study between 23 April and 27 June 2014, more than 50 trips were realized by the authors privately. Consequently, 406 taxa, 99 families, and 12 orders are recorded. All the species were collected, prepared and identified by the authors (with a few exceptions). For identification, the rich reference collection and photographic archive of the Cesa were used. In the text, some observational notes are given in the explanations of the figures, or under the titles of the families. All the photographs belong to the first author, and are preserved in the Cesa archive. An informative list of them is given below.

The material is currently preserved in the Cesa Collection.

The second part of the study (July-October), the biology of some Lepidoptera⁵, and the illustrated list of the Entomoflora of Gören Mt. will be separately published.

⁴ For the Code List used in the Cesa publications, please download it from the following address: <http://www.members.tripod.com/entcesa/Code.pdf>

⁵ First author has made special efforts on the early stage biology of some Lepidoptera. A separate paper on this matter is under preparation.

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- 45 *Zerynthia deyrollei* (Papilionidae), a female feeding on the flower of *Geranium*. One generation in spring until early summer. Gören Mt. 65Np, 10 5 2014
- 46 *Leptidea duponcheli* (Pieridae), a male at rest on a flower. Gören Mt. 65Np, 4 5 2014
- 47 *Coenonympha pamphilus* (Satyridae), in copula. Gören Mt. 65Np1, 16 5 2014
- 48 *Coenonympha pamphilus* (Satyridae), at rest. Gören Mt. 65Np1, 18 5 2014
- 49 *Maniola jurtina* (Satyridae), during feeding on an *Asteraceae* flower. Gören Mt. 65Np, 27 6 2014
- 50 *Maniola telmessia* (Satyridae), at rest. Gören Mt. 65Np8, 15 6 2014
- 51 *Melanargia hylata* (Satyridae), at rest. Gören Mt. 65Np4, 7 6 2014
- 52 *Melanargia hylata* (Satyridae), at rest on *Verbascum* (Scrophulariaceae). Gören Mt. 65Np4, 7 6 2014
- 53 *Melanargia hylata* (Satyridae), in copula. Gören Mt. 65Np2, 25 6 2014
- 54 *Pseudochazara pelopea* (Satyridae), at rest on stone. Gören Mt. 65Np, 8 6 2014
- 55 *Arctia (Epicallia) marchandi* (Arctiidae), at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014
- 56 *Arctia (Eucharia) festiva* (Arctiidae), at rest; nocturnal. Gören Mt. 65Np, 23 4 2014
- 57 A coleophorid species, at rest on a leaf (Lamiaceae). Gören Mt. 65Np1, 19 5 2014

- 58 A coleophorid species, at rest. Gören Mt. 65Np, 8 6 2014
- 59 A coleophorid species at rest on rock with lichens. Gören Mt. 65Np2, 26 5 2014
- 60 *Tinagma anchusellum* (Douglassiidae), at rest on *Anchusa* (Boraginaceae). Gören Mt. 65Np1, 21 5 2014
- 61 *Metzneria* sp. (Gelechiidae), at rest. Gören Mt. 65Np1, 18 5 2014
- 62 *Aplasta ononaria* (Geometridae), at rest; diurnal & nocturnal. Gören Mt. 65Nr2, 14 6 2014
- 63 *Aplocera annexata* (Geometridae), diurnal & nocturnal. Gören Mt. 65Nr4, 14 6 2014
- 64 *Aplocera obsitaria* (Geometridae), nocturnal. Gören Mt. 65Np1, 19 5 2014
- 65 *Aplocera plagiata* (Geometridae), diurnal & nocturnal. Gören Mt. 65Np1, 19 5 2014
- 66 *Camptogramma bilineatum* (Geometridae), diurnal & nocturnal. Gören Mt. 65Np, 15 6 2014
- 67 *Cleta perpusillaria* (Geometridae), diurnal. Gören Mt. 65Nş, 10 6 2014
- 68 *Cleta perpusillaria* (Geometridae), diurnal. Gören Mt. 65Nş, 10 6 2014
- 69 *Dyscia innocentaria* (Geometridae), nocturnal. Gören Mt. 65Np, 24 5 2014
- 70 *Eilicrinia cordiaria* (Geometridae), nocturnal. Gören Mt. 65Np6, 31 5 2014
- 71 *Eupithecia oblongata* (Geometridae), nocturnal. Gören Mt. 65Np1, 19 5 2014
- 72 *Idaea rufaria* (Geometridae), at rest; nocturnal & diurnal. Gören Mt. 65Np, 15 6 2014
- 73 *Lithostege farinata* (Geometridae), at rest; diurnal & nocturnal. Gören Mt. 65Np, 24 5 2014
- 74 *Pydna badiaria* (Geometridae), nocturnal & diurnal. Gören Mt. 65Np1, 19 5 2014
- 75 *Rhodostrophia auctata* (Geometridae), at rest; nocturnal & diurnal. Gören Mt. 65Np6, 31 5 2014
- 76 *Rhodostrophia discopunctata* (Geometridae), at rest; nocturnal & diurnal. Gören Mt. 65Np1, 19 5 2014
- 77 *Rhodostrophia terrestraria* (Geometridae), at rest; nocturnal. Gören Mt. 65Np2, 25 6 2014
- 78 *Scopula decorata* (Geometridae), lichenophil, while the preference of resting place; usually nocturnal. Gören Mt. 65Np, 30 5 2014
- 79 *Scopula marginepunctata* (Geometridae), at rest; nocturnal. Gören Mt. 65Np1, 19 5 2014
- 80 *Scotopteryx* aff. *subvicinaria* (Geometridae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014
- 81 *Selenia lunaria* (Geometridae), nocturnal. Gören Mt. 65Np6, 31 5 2014
- 82 *Thetidia persica* (Geometridae), at rest; nocturnal. Gören Mt. 65Np6, 31 5 2014
- 83 *Chondrostega pastranum* (Lasiocampidae), as caterpillar uncommon but diurnal in the area, usually singly observed on *Astragalus* (Fabaceae), etc. Gören Mt. 65Np 10 5 2014
- 84 *Lasiocampa eversmanni* (Lasiocampidae). Caterpillar feeds on low herbaceous plants in the steppe. Adults are nocturnal and appear in late summer or autumn. Gören Mt. 65Np, 23 5 2014
- 85 *Malacosoma castrensis* (Lasiocampidae). Caterpillars feed on low herbaceous plants, usually very common and gregarious in the steppe; diurnal. Gören Mt. 65Nr6, 17 5 2014
- 86 *Abrostola agnorista* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 30 5 2014
- 87 *Acronycta megacephala* (Noctuidae), at rest; nocturnal Gören Mt. 65Np6, 30 5 2014
- 88 *Agrotis exclamationis* (Noctuidae), at rest; nocturnal Gören Mt. 65Np, 24 5 2014

- 89 *Autographa gamma* (Noctuidae), at rest; diurnal & nocturnal. Gören Mt. 65Np, 10 5 2014
- 90 *Behouneкия freyeri* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014
- 91 *Chersotis fimbriola* (Noctuidae), lichenophil, while the preference of resting place. Gören Mt. 65Np2, 27 6 2014
- 92 *Cleonymia opposita* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014
- 93 *Cleonymia opposita* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 24 5 2014
- 94 *Cucullia* sp. (Noctuidae), at rest; nocturnal. Gören Mt. 65Np1, 19 5 2014
- 95 *Drasteria caucasica* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 24 5 2014
- 96 *Eublemma (albida-gr.) gratissimum* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np2, 25 6 2014
- 97 *Eublemma (Glossodice) polygrammum* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014
- 98 *Eublemma pallidulum* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014
- 99 *Hadena gueneei* (Noctuidae), lichenophil, while the preference of resting place; nocturnal. Gören Mt. 65Np6, 31 5 2014
- 100 *Hadula (Calocestra) mendax* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014
- 101 *Hecatera cappa* (Noctuidae), lichenophil, while the preference of resting place; nocturnal. Gören Mt. 65Np, 30 5 2014
- 102 *Megalodes eximia* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 30 5 2014
- 103 *Mythimna vitellina* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 30 5 2014
- 104 *Omphalophana antirrhini* (Noctuidae), at rest; nocturnal, lichenophil. Gören Mt. 65Np2, 26 5 2014
- 105 *Periphanes delphinii* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np6, 31 5 2014
- 106 *Periphanes victorina* (Noctuidae), nocturnal. Gören Mt. 65Np6, 31 5 2014
- 107 *Simyra dentinosa* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 23 4 2014
- 108 *Simyra dentinosa* (Noctuidae), caterpillars feed on *Euphorbia* (Euphorbiaceae) and are gregarious in earlier stages. Gören Mt. 65Np, 23 5 2014
- 109 *Xestia c-nigrum* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np6, 30 5 2014
- 110 *Cerura vinula* (Notodontidae), at rest; nocturnal. Gören Mt. 65Np1, 19 5 2014
- 111 *Dicranura ulmi* (Notodontidae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014
- 112 *Pterostoma palpinum* (Notodontidae), at rest; nocturnal. Gören Mt. 65Np6, 31 5 2014
- 113 *Pleurota* sp. (Oecophoridae), at rest; nocturnal & diurnal. Gören Mt. 65Np, 10 5 2014
- 114 *Pleurota* sp. (Oecophoridae), in copula; nocturnal & diurnal. Gören Mt. 65Np2, 26 5 2014
- 115 *Pleurota* sp. (Oecophoridae), at rest; nocturnal & diurnal. Gören Mt. 65Np, 8 6 2014
- 116 *Pleurota* sp. (Oecophoridae), and larval sack of a Coleophorid species. Gören Mt. 65Np, 8 6 2014
- 117 *Pleurota* sp. (Oecophoridae), resting on a rock lichen; nocturnal. Gören Mt. 65Np2, 27 6 2014
- 118 *Plutella* sp. (Plutellidae), during feeding nectar from the flower of *Anthemis* (Asteraceae); diurnal & nocturnal. Gören Mt. 65Nn, 23 4 2014

- 119** A Pterophorid species; diurnal & nocturnal. Gören Mt. 65Np1, 16 5 2014
- 120** A Pterophorid species, diurnal. Gören Mt. 65Nr4, 14 6 2014
- 121** *Acrobasis* sp. (*Pyralidae*), at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014
- 122** *Bradyrrhoa gilveolella* (*Pyralidae*), lichenophil, nocturnal. Gören Mt. 65Np2, 27 6 2014
- 123** *Chrysocrambus craterellus* (*Pyralidae*), at rest; diurnal & nocturnal. Gören Mt. 65Np1, 21 5 2014
- 124** *Hyperlais dulcinalis* (*Pyralidae*), at rest; diurnal & nocturnal. Gören Mt. 65Np1, 19 5 2014
- 125** *Myrlaea albistrigata* (*Pyralidae*), petrophil, lichenophil, nocturnal. Gören Mt. 65Np2, 27 6 2014
- 126** *Noctuella superba* (*Pyralidae*), at rest; diurnal. Gören Mt. 65Np1, 28 5 2014
- 127** *Paracorsia repandalis* (*Pyralidae*), at rest; nocturnal. Gören Mt. 65Np2, 26 5 2014
- 128** *Psammotis pulveralis* (*Pyralidae*), at rest; diurnal & nocturnal. Gören Mt. 65Np8, 15 6 2014
- 129** *Synaphe consecratalis* (*Pyralidae*), at rest; diurnal. Gören Mt. 65Np7, 7 6 2014
- 130** *Synaphe moldavica* (*Pyralidae*), at rest; diurnal. Gören Mt. 65Np8, 15 6 2014
- 131** *Synaphe moldavica* (*Pyralidae*), at rest; diurnal. Gören Mt. 65Np1, 30 5 2014
- 132** *Tegostoma perlepidalis* (*Pyralidae*), at rest; diurnal & nocturnal. Gören Mt. 65Np2, 27 6 2014
- 133** A scythrid moth, feeding on the flower of *Achillea* (*Asteraceae*), diurnal, heliophil. Gören Mt. 65Np, 3 6 2014
- 134** *Hyles conspicua* (*Sphingidae*), at rest; nocturnal. Gören Mt. 65Np1, 19 5 2014
- 135** *Hyles hippophaes* (*Sphingidae*), at rest; nocturnal. Gören Mt. 65Np, 24 5 2014
- 136** *Sphingonaepiopsis gorgoniades* (*Sphingidae*), at rest; nocturnal. Gören Mt. 65Np2, 26 5 2014
- 137** *Sphingonaepiopsis gorgoniades* (*Sphingidae*), two males at rest; nocturnal. Gören Mt. 65Np2, 26 5 2014
- 138** *Aethes* sp. (*Tortricidae*), at rest; nocturnal & diurnal. Gören Mt. 65Np1, 19 5 2014
- 139** *Aethes tesserana* (*Tortricidae*), at rest; nocturnal & diurnal. Gören Mt. 65Np5, 30 5 2014
- 140** *Aphelia ochreana* (*Tortricidae*), at rest; nocturnal & diurnal. Gören Mt. 65Np1, 18 5 2014
- 141** *Cnephasia* sp. (*Tortricidae*), at rest; nocturnal. Gören Mt. 65Np, 24 5 2014
- 142** *Fulvoclysia subdolana* (*Tortricidae*) at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014
- 143** *Zygaena loti* (*Zygaenidae*), local and uncommon; diurnal. Gören Mt., 65Np1 8 6 2014
- 144** *Zygaena cambysea* (*Zygaenidae*), in copula. A rare species; diurnal. Gören Mt., 65Np2 25 6 2014
- 145** *Zygaena cuvieri* (*Zygaenidae*), often nocturnal. Rare species. Gören Mt., 65Np6 31 5 2014
- 146** *Zygaena punctum* (*Zygaenidae*), a rare species; diurnal. Gören Mt., 65Np7 15 6 2014
- 147** *Enallagma cyathigerum* (*Coenagrionidae*). Gören Mt. 65Np7, 7 6 2014
- 148** *Cordulegaster insignis* (*Cordulegasteridae*). Gören Mt. 65Np4, 7 6 2014
- 149** *Libellula quadrimaculata* (*Libellulidae*). Gören Mt. 65Np7, 7 6 2014
- 150** *Sympetrum flaveolum* (*Libellulidae*). Gören Mt. 65Np7, 15 6 2014

- 151 *Anechura bipunctata* (Forficulidae), female. Gören Mt. 65Nş, 10 6 2014
- 152 *Forficula auricularia* (Forficulidae), female. Gören Mt. 65Np, 27 6 2014
- 153 *Empusa fasciata* (Empusidae). Gören Mt. 65Np7, 7 6 2014
- 154 *Empusa fasciata* (Empusidae). Gören Mt. 65Nr7, 17 5 2014
- 155 *Empusa fasciata* (Empusidae), nymph. Gören Mt. 65Np2, 16 5 2014
- 156 *Acrotylus insubricus* (Acrididae), after hibernation. Gören Mt. 65Nm, 23 4 2014
- 157 *Oedaleus decorus* (Acrididae), nymph. Gören Mt. 65Np2, 27 6 2014
- 158 *Oedipoda miniata* (Acrididae). Gören Mt. 65Np8, 15 6 2014
- 159 *Gryllus* (s.str.) *campestris* (Gryllidae), female, nocturnal. Gören Mt. 65Np2, 27 6 2014
- 160 A pamphagid nymph (Pamphagidae). Gören Mt. 65Np8, 15 6 2014
- 161 *Tettigonia* sp. (Tettigoniidae), a female nymph, probably belongs to *T. viridissima*. A phytophag species, with low population density in the area. Gören Mt. 65Nş, 10 6 2014
- 162 *Neides tipularius* (Berytidae), nocturnal. Gören Mt. 65Np2, 26 5 2014
- 163 *Neides tipularius* (Berytidae), in copula; nocturnal. Gören Mt. 65Np2, 26 5 2014
- 164 *Canthophorus melanopterus* - (Cydnidae). Gören Mt. 65Np, 27 6 2014
- 165 *Coriomeris denticulatus* (Coreidae). Gören Mt. 65Nr7, 17 5 2014
- 166 *Phyllomorpha* aff. *lacerata* (Coreidae), a diurnal species. Specific identification isn't easy. Gören Mt. 65Nr7, 17 5 2014
- 167 *Syromastus rhombeus* (Coreidae), at rest; diurnal. Gören Mt. 65Np2, 16 5 2014
- 168 *Carpocoris coreanus* (Pentatomidae). Gören Mt. 65Np4, 7 6 2014
- 169 *Carpocoris fuscispinus* (Pentatomidae). Gören Mt. 65Np5, 30 5 2014
- 170 *Carpocoris pudicus* (Pentatomidae). Gören Mt. 65Np, 8 6 2014
- 171 *Chroantha ornatula* (Pentatomidae). Gören Mt. 65Np6, 31 5 2014
- 172 *Codophila* (Antheminia) *lunulata* (Pentatomidae). Gören Mt. 65Nr6, 17 5 2014
- 173 *Eurydema* sp. (Pentatomidae). A variable group in colouration and markings. From external features, a precise identification is sometimes difficult. Gören Mt. 65Np1, 28 5 2014
- 174 *Graphosoma melanoxanthum* (Pentatomidae). Gören Mt. 65Nr4, 14 6 2014
- 175 *Graphosoma semipunctatum* (Pentatomidae). Gören Mt. 65Np, 3 6 2014
- 176 *Rhaphigaster nebulosa* (Pentatomidae). Gören Mt. 65Np, 3 6 2014
- 177 *Tholagmus flavolineatus* (Pentatomidae). Gören Mt. 65Np8, 15 6 2014
- 178 *Tholagmus flavolineatus* (Pentatomidae). Gören Mt. 65Np8, 15 6 2014
- 179 *Sphedanolestes lividigaster* (Reduviidae). Gören Mt. 65Np, 8 6 2014
- 180 *Corizus hyoscyami* (Rhopalidae). Gören Mt. 65Nr6, 17 5 2014
- 181 *Maccevetthus* aff. *errans* (Rhopalidae), in copula on *Gundelia tournefortii* (Asteraceae). Gören Mt. 65Np1, 16 5 2014
- 182 *Adelphocoris* sp. (Miridae). Gören Mt. 65Np2, 25 6 2014
- 183 *Odontotarsus purpureolineatus* (Scutelleridae). Gören Mt. 65Np1, 8 6 2014
- 184 *Dicranocephalus albipes* (Stenocephalidae). Gören Mt. 65Np2, 26 5 2014
- 185 *Cercopis intermedia* (Cercopidae). Common. Gören Mt. 65Np, 8 6 2014

- 186** *Philaenus spumarius* (Cercopidae). Common. External colouration highly variable. Gören Mt. 65Np, 8 6 2014
- 187** *Psammotettix* sp. (Cicadellidae). Gören Mt. 65Np2, 25 5 2014
- 188** *Cicadatra hyalina* (Cicadidae). Gören Mt. 65Nr2, 14 6 2014
- 189** *Cicadatra persica* (Cicadidae). Gören Mt. 65Nr4, 14 6 2014
- 190** *Lertha palmoni* (Nemopteridae), nocturnal and rare. Gören Mt. 65Np2, 27 6 2014
- 191** A raphidiid male at rest. Gören Mt. 65Np 10 5 2014
- 192** A raphidiid female at rest. Gören Mt. 65Np1 28 5 2014
- 193** *Anthomyia procellaris* (Anthomyiidae) [det. M.Ackland], during feeding on *Cardaria draba* (Brassicaceae). Gören Mt. 65Np5, 4 5 2014
- 194** An asilid fly (?*Stenopogon*) (Asilidae). Gören Mt. 65Np2, 25 6 2014
- 195** A pair in copula (Asilidae). Gören Mt. 65Np2, 25 6 2014
- 196** A male at rest (Asilidae). Gören Mt. 65Np2, 26 5 2014
- 197** An asilid with a prey (?Scarabaeid). Gören Mt. 65Np8, 15 6 2014
- 198** An asilid (?*Acnephalum*) (Asilidae). Gören Mt. 65Np, 3 6 2014
- 199** An asilid with a prey (*Callophrys*, *Lycaenidae*, *Lepidoptera*). Gören Mt. 65Np4 7 6 2014
- 200** A female asilid with her prey (*Neoliturus*, *Cicadellidae*, *Homoptera*). Gören Mt. 65Np4, 7 6 2014
- 201** A female asilid at rest (Asilidae). Gören Mt. 65Np2, 25 6 2014
- 202** *Bombyliella atra* (Bombyliidae) at rest. Gören Mt. 65Nr4, 12 6 2014
- 203** *Cytherea* sp. (Bombyliidae, *Cythereinae*), in copula. Gören Mt. 65Nr2, 14 6 2014
- 204** *Hemipenthes velutina* (Bombyliidae) at rest. Gören Mt. 65Nş, 10 6 2014
- 205** *Phthiria vagans* (Bombyliidae), during feeding on a flower (*Dipsacaceae*). Gören Mt. 65Np, 14 6 2014
- 206** *Ulia* sp. (Bombyliidae), courtship on a *Linum* flower (*Linaceae*). Gören Mt. 65Np, 10 5 2014
- 207** *Ulia* sp. (Bombyliidae), courtship on a *Linum* flower (*Linaceae*). Gören Mt. 65Np, 10 5 2014
- 208** Empid flies in copula (*Empidae*). Gören Mt. 65Np1, 16 5 2014
- 209** Empid fly feeds on the prey during copulation (*Empidae*). Gören Mt. 65Np1, 16 5 2014
- 210** *Nemestrinus* ? sp.n. (*Nemestrinidae*). This species will be evaluated separately. Gören Mt.
- 211** *Nemestrinus* ? sp.n. (*Nemestrinidae*). This species will be evaluated separately. Gören Mt.
- 212** *Platystoma seminationis* (*Platystomidae*). Gören Mt. 65Np, 10 5 2014
- 213** *Platystoma seminationis* (*Platystomidae*), in copula. Gören Mt. 65Np, 10 5 2014
- 214** *Odontomyia hydroleon* (*Stratiomyidae*), during feeding of flower (*Dipsacaceae*); heliophil. Gören Mt. 65Np2, 25 6 2014
- 215** *Eristalis tenax* (*Syrphidae*), at rest. Gören Mt. 65Np, 23 4 2014
- 216** *Sphaerophoria scripta* (*Syrphidae*), in copula. Gören Mt. 65Np, 10 5 2014
- 217** *Eriothrix* ? *rufomaculatus* (*Tachinidae*), during feeding on flowers of *Cardaria draba* (*Brassicaceae*). Gören Mt. 65Np, 10 5 2014

- 218** *Tachina fera* (Tachinidae). Gören Mt. 65Nr4, 14 6 2014
- 219** *Orellia falcata* (Tephritidae) on flower of *Tragopogon* (Asteraceae). Gören Mt. 65Np1 16 5 2014
- 220** *Trupanea stellata* (Tephritidae) on flower of *Anthemis* (Asteraceae). Gören Mt. 65Np 23 4 2014
- 221** A therevid species, at rest. Gören Mt. 65Np, 10 5 2014
- 222** A pair of ulidiid in copula. Gören Mt. 65Np2, 16 5 2014
- 223** *Melecta* sp. (Apidae), during feeding in *Campanula* flower (Campanulaceae). Gören Mt. 65Np1, 28 5 2014
- 224** *Xylocopa* (Apidae), during feeding on the flower (Lamiaceae). Gören Mt. 65Np, 15 6 2014
- 225** *Halictus* (*Vestitohalictus*) *pollinosus* (Halictidae), during feeding on flower. Gören Mt. 65Np, 3 6 2014
- 226** *Vespa orientalis* (Vespidae), eating flower (Apiaceae). Gören Mt. 65Np5, 30 5 2014
- 227** *Bruchidius albopictus* (Bruchidae) during feeding on the flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np5, 4 5 2014
- 228** *Bruchidius bimaculatus* (Bruchidae) during feeding on the flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np5, 4 5 2014
- 229** *Bruchidius quinqueguttatus* (Bruchidae), during feeding on the flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np5, 4 5 2014
- 230** *Coraebus rubi* (Buprestidae), at rest. Gören Mt. 65Np2, 25 6 2014
- 231** *Julodis andreae* (Buprestidae), diurnal and common in the area. Gören Mt. 65Np5, 4 5 2014
- 232** *Agapanthia coeruleipennis* (Cerambycidae), male. Gören Mt. 65Nr7, 17 5 2014
- 233** *Dorcadion mnischevi* (Cerambycidae). Gören Mt. 65Np1, 11 5 2014
- 234** *Helladia armeniaca* (Cerambycidae). Gören Mt. 65Nr7, 17 5 2014
- 235** *Mallosia interrupta* (Cerambycidae) on *Prangos* (Apiaceae). Gören Mt. 65Nr4, 14 6 2014
- 236** *Mallosia interrupta* (Cerambycidae) on *Prangos* (Apiaceae). Gören Mt. 65Nr4, 14 6 2014
- 237** *Mallosia interrupta* (Cerambycidae), copulation competition among two males and one female. Gören Mt. 65Nr4, 14 6 2014
- 238** *Musaria astarte* ssp. *lederi* (Cerambycidae). Gören Mt. 65Nr2, 10 6 2014
- 239** *Purpuricenus wachanrui* (Cerambycidae), males. Gören Mt. 65Np, 14 6 2014
- 240** *Purpuricenus wachanrui* (Cerambycidae), female. Gören Mt. 65Np4, 7 6 2014
- 241** *Vadonia unipunctata* (Cerambycidae) on *Euphorbia*. Gören Mt. 65Np, 30 5 2014
- 242** *Cassida strejceki* (Chrysomelidae). Gören Mt. 65Np, 23 4 2014
- 243** *Clytra bodemeyeri* (Chrysomelidae), ready to fly. Gören Mt. 65Np, 16 5 2014
- 244** *Clytra bodemeyeri* (Chrysomelidae). Gören Mt. 65Np, 16 5 2014
- 245** *Clytra* sp. (Chrysomelidae). Gören Mt. 65Np, 10 5 2014
- 246** *Entomoscelis sacra* (Chrysomelidae). Gören Mt. 65Nş, 10 6 2014
- 247** *Galeruca* aff. *armeniaca* (Chrysomelidae). Gören Mt. 65Np1, 28 5 2014

- 248** *Labidostoma* sp. (Chrysomelidae), in copula. Gören Mt. 65Nr7, 17 5 2014
- 249** *Trichodes dilatipennis* (Cleridae) on Asteraceae. Gören Mt. 65Np, 14 6 2014
- 250** *Trichodes heydeni* (Cleridae) on Dipsacaceae flower. Gören Mt. 65Np2, 25 6 2014
- 251** *Trichodes nobilis* (Cleridae), during feeding *Achillea* flower (Asteraceae). Gören Mt. 65Nr4, 14 6 2014
- 252** *Trichodes quadriguttatus* (Cleridae), during feeding on *Aethionema* flower (Brassicaceae). Gören Mt. 65Np4, 7 6 2014
- 253** Coccinellid species (Coccinellidae). Gören Mt. 65Np5, 30 5 2014
- 254** *Coccinella septempunctata* (Coccinellidae) together with the aphids. Gören Mt. 65Np, 10 5 2014
- 255** *Cionus* sp. (Curculionidae), on *Verbascum* (Scrophulariaceae). Gören Mt. 65Ns, 28 5 2014
- 256** An entiminid species (Curculionidae), in copula. According to the image, the species may belong to *Eusomus* or allied genus. Closer examination is needed. Gören Mt. 65Np2, 25 6 2014
- 257** *Amphicoma arctos* (Glaphyridae), in copula on *Euphorbia* (Euphorbiaceae); an anthophag species. Gören Mt. 65Ns, 28 5 2014
- 258** *Amphicoma vittata* (Glaphyridae), anthophag on *Carduus* (Asteraceae). Gören. Mt. 65Np8, 15 6 2014
- 259** Additional *Amphicoma* (s.l.) sp. (Glaphyridae), feeding flower of *Tragopogon* (Asteraceae). Gören Mt. 65Np, 10 5 2014
- 260** Additional *Amphicoma* (s.l.) sp. (Glaphyridae), feeding flower of *Linum* (Linaceae). Gören Mt. 65Np, 10 5 2014
- 261** Additional *Amphicoma* (s.l.) sp. (Glaphyridae), feeding flower of *Ranunculus* (Ranunculaceae). Gören Mt. 65Np, 10 5 2014
- 262** *Meloe* (*Taphromeloe*) *erythrocnemus* (Meloidae), a rare spring species in the steppe. Gören Mt. 65Np1, 11 5 2014
- 263** A mylabrine species on Lamiaceae. Gören Mt. 65Np8, 15 6 2014
- 264** A mylabrine species on the flower of *Gundelia tournefortii* (Asteraceae). 65Nr7, 17 5 2014
- 265** A mylabrine species on the flower of *Campanula* (Campanulaceae). 65Np1 28 5 2014
- 266** *Mordella* sp. (Mordellidae), feeding on flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np, 4 5 2014
- 267** *Malachius bipustulatus* (Melyridae), during feeding on flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np, 4 5 2014
- 268** *Malachius bipustulatus* (Melyridae), during feeding on flowers of *Linum* (Linaceae). Gören Mt. 65Np, 10 5 2014
- 269** *Malachius bipustulatus* (Melyridae), during feeding on flowers of *Ranunculus* (Ranunculaceae). Gören Mt. 65Np1, 16 5 2014
- 270** *Gymnopleurus flagellatus* (Scarabaeidae). Gören Mt. 65Np2, 11 5 2014
- 271** *Oxythyrea cinctella* (Scarabaeidae), anthophag. Gören Mt. 65Np5, 4 5 2014
- 272** *Sisypus schaefferi* (Scarabaeidae), coprophag. Gören Mt. 65Np, 10 5 2014
- 273** "Planidium larvae of *Strepsiptera*" (det. Mr. T. Irwin, England). Gören Mt. 2160m, 65Nr2, 10 6 2014



Fig. 1– Northern slopes of Gören Mount (65Nm), 23 4 2014, M.Kemal (Cesa)



Fig. 2– Northern slopes of Gören Mount near Dağönü village 23 4 2014, M.Kemal (Cesa)



Fig. 3 – South-west slopes of Gören Mount near Ağartı village 1740m (65Np) 23 4 2014, M.Kemal (Cesa)



Fig. 4 – South-west slopes of Gören Mount, Ağartı village 1740m (65Np) 23 4 2014, M.Kemal (Cesa)



Fig. 5 - *Astragalatea* at upper slopes of Ağartı 1950m (65Np2), 11 5 2014, M. Kemal (Cesa)



Fig. 6 – Archeological site, near Ağartı village, 10 5 2014 M Kemal (Cesa)



Fig. 7 - A few natural small pools are seen on western slopes of Gören Mt. 65Np7 1855m. Inevitable living places for aquatic and semi aquatic insect groups. 7 6 2014, M.Kemal (Cesa)



Fig. 8– An habitat near coastal part of Van Lake. Its plant cover extremely degraded, and exposed severely to erosion. Gören Mt. 65Np5, 30 5 2014, M.Kemal (Cesa)



Fig. 9– Another habitat near Alaköy village; its natural plant cover highly degraded. Gören Mt. 65Ns 1785m, 28 5 2014, M.Kemal (Cesa)



Fig. 10 – Habitat 65Nş, fallow near Güvençli, frequently seen *Anchusa* (Boraginaceae), *Vicia* (Fabaceae). Gören Mt. 1765m, 10 6 2014, M. Kemal (Cesa)



Fig. 11 – Habitat 65Nr4, Gören Mt. 2100m 10 6 2014, M. Kemal (Cesa)

Faunistical List of the Pterygots of the Mount Gören

Lepidoptera

(Figs. 12-146)

Totally 237 taxa of 29 families are evaluated here.

Butterflies

(Figs. 12-54)

Totally 65 species of 7 families are listed. This number is unfortunately less than the expected level. The families and their species are given below in alphabetical order.

Argynnidae (10)

Only ten species are recorded in the area. Among the migrants, *Vanessa cardui* is the commonest species until July.

- 1. Aglais urticae (Linnaeus,1758)** (Argynnidae) Synonym(s): *urticae* Linnaeus,1758; *opima* Verity,1919; *variegata* Querci,1932; *strandii* Verity,1936. Range (in codes): AL Bn Kts AT Ba BE BG BY CH CN Co CZ DE Dj DK EE ES FI FR GB GR HU IE II IS IT KG LB LT LU LV MK MN NL NO PL PT RO RU Sa SE Sem SI Si SK Sm So Sr Ti Tk TR T-S UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Sr So Tt Sb Cb Kg Or Uk Aq Rk Kt Pp Kw Ty Om Pw No To Mu Kuz Sli At Mn Sp Tk As Tm Db Buc Ssn Tar Sau DsA TrA Ax KuA TeA Um Ku Kml Adu IQ IR Ab Jal Ak Elb Th Mz Kh GG AM AZ Smt Bku Cc US Msc Ny Arr Nra 01 02 03 04 05 06 07 08 10 11 12 13 14 16 17 18 19 21 22 23 24 25 26 28 29 30 31 32 33 34 35 36 37 38 39 42 43 44 46 49 50 51 52 53 55 56 58 60 61 62 65 66 69 70 73 74 75 76 78 81 04D 04Db 05A 06D 06G 06H 06R 06Rd 13G 13Gs 13Gv 13Gw 25Ç 25Ça 25F 25Fa 25Fb 25Fc

30B 30Bb 30Ba2 30Bk 30Bp 30C 30Ca 30D 30Dx 30C 56F 56Fe 65D 65Dc 65Dc 65Dd 65Df 65Dk 65Dr 65Drb 65E 65Eb 65G 65Gd 65Ge 65Gv 65Gz 65F 65Fg 65Fj 65Fp 65Fq 65F2 65Fz 65K 65Kl 65Kg 65N 65Nk 65Nr2 65Nm 66A 73A 73Ae 75F 75Fg 75Fj

2. **Issoria lathonia (Linnaeus,1758)** (Argynnidae) Synonym(s): *lathonia* Linnaeus,1758; *saturata* Röber,1897; *hungarica* Aigner-Abafi,1906; *florens* Verity,1916; *emiflorens* Verity,1919; *attenuata* Sagarra,1926; *nigroprivata* Verity,1933. Range (in codes): Adr AF AL At Kts At Ba BE BG B-H BY Ch CH CN Cn Co CZ DE DK DZ EE ES FI FR GB GR HU HV IE IR IT KG KK Kr LB Ld Lt LU LV MA MK NL NO PK PL PT RO RU Sa SE Sem Si SK Sm So Sr SS TJ Tk TM TN TR T-S UA Ui Uk UZ VI YU NP SI Ken Tm Sau Tar DsA TrA KuA Ax TeA Mu Mu18 T-T Sz Ket PK Ci Nwf Sfk Bl MM Abb Mre IQ Cc GG AZ AM Nv MD Tls T-S Ab Ak Ahw Ar Ara B-A Bk Brz Bu By Dzf Es Fa Gh Gor Ha Hz Il Kaz Kd Kh Km Kz Lo Ma Mz Qz Se Ss Th Yz Zj Gls Kh Nra 01 03 04 05 06 07 08 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 48 49 50 51 52 53 55 56 57 58 59 60 61 62 65 66 67 69 70 71 73 74 75 76 77 78 80 81 04D 04Db 05A 06A 06B 06C 06G 06H 06K 06N 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 13A 13Ab 13Ac 13F 13F35 13G 13Gö 13Gg 13Go 13Gs 13Gv 13Gw 21N 21Nb 25F 25Fa 27C 27Cb 30D 30Df 31N 31M 39C 44A 44Ab 46F 46Fe 56D 56Dc 56F 56Fn 65D 65Dj 65Dk 65Do 65Dr 65G 65Gd 65Ge 65F 65Fg 65Fh 65Fd 65Fe 65Fq 65Fs 65Ft 65K 65Kg 65Ka 65Kc 65Kl 65Kö 65Ks 65Kp 65N 65Nk 65Np 65Nm 66A 73D 73Da 73Dg 75F 75Fe 75Fi 75Fj 76A 76Ad 78D 78Da
3. **Melitaea (Cinclidia) ornata Christoph,1893** ⁶ (Argynnidae) Synonym(s): *ornata* Christoph,1893, *telona* Fruhstorfer,1908 Range (in codes): BG Slv Rh Bgz ALb DZ IL Pa Hf JO LB TR Cc IQ Hjo Ama MA SY IR Elb Th Bk Fa Ke 01 02 03 05 06 07 08 10 12 13 15 16 17 18 19 20 21 23 24 25 26 27 28 29 30 31 32 33 35 36 38 41 42 43 44 46 48 49 50 51 55 56 58 60 62 65 66 68 69 70 71 73 76 80 05A 06B 06C 06G 06H 06K 06N 06Ne 06P 06R 06Rd 06S 06V 06Z 13F 13G 21N 21Nb 27C 27Cb 65D 65Dc 65Dr 65Drb 65F 65Fz 65Fç 65N 65Np 65Np7 65Nm 66A 73D 73Dg 76D 76Dg
4. **Melitaea (Didymaeformis) syriaca Rebel,1905** (Argynnidae) Synonym(s): *syriaca* Rebel,1905; *pseudodidyma* Rebel,1905; *aabaca* Fruhstorfer,1911; *bloetei* Eisner,1942 Range (in codes): LB Bei JO IL Pa Hf He SY TR GR Ae BG 01 02 03 05 06 07 08 09 10 11 12 13 15 16 17 18 19 20 21 22 23 25 27 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 45 47 48 49 50 51 55 56 57 58 59 60 62 63 65 66 69 70 71 72 73 76 77 80 81 05A 06B 06H 06G 06K 06N 06R 06Rd 06V 06Z 12A 12Ab 13G 13Ga 13Gv 13Gw 21N 21Nb 25F 25Fa 25Fb 25Fc 27C 27Cb 31K 31Ka 31F 31Fb 39C 44O 44Oc 48A 48Al 48D 63D 65D 65D⁺ 65Dd 65Dda 65G 65Gd 65Ge 65F 65Fe 65F⁺ 65Fp 65Fz 65Fm 65Fq 65F[□] 65F2 65K 65Kl 65N 65Nr3 65Nm 66A 72E 72Eh 72Ei 76A 76Ac 80E 80Eb
5. **Melitaea (Didymaeformis) persea Kollar,[1849]** (Argynnidae) Synonym(s): *persea* Kollar,[1849]; *caucasica* Staudinger,1861; *magnacasta* Verity,1929; *araratica* Verity,1929; *sargon* Hemming,1932; *tauricus* Belter,1934; *caucasicola* Bryk,1940; *hafiz* Higgins,1941; *gina* Higgins,1941; *darius* Gross & Ebert,1975; *pfeifferi* Gross & Ebert,1975 (*praeocc.*); *wernickei* Gross & Ebert,1975; *elbursicola* Gross & Ebert,1975; *safawides* Gross & Ebert,1975. Range (in codes): IQ Su Bgd IR Ab Khy Zj Fa By TR JO AF Bl Nwf Ci Pj PK SY LB IL He Pa Hf Kp TM Cc AZ Nv Ord Arr 02 04 13 21 23 24 25 27 30 36 44 46 47 49 56 62 63 65 72 73 75 76 04B 13B 13Ba 13G 13Gv 13Gw 21N 21Nb 25F 25Fa 25Fb 56F 63E 65D 65Dc 65G 65Gm 65F 65Fe 65Fg 65Fh 65Fm 65Fç 65Fw 65Fz 65K 65Kc 65Kd 65Ke 65Kl 65Kö 65Kz 65Kg 65N 65Np 65Np1 65Np2 65Np4 65Np5 65Np6 65Np7 65Np8 65Nr3 65Nr4 65Nm 76A 76Ae
6. **Melitaea (s.str.) arduinna (Fabricius,1787)** (Argynnidae) Synonym(s): *arduinna* Fabricius,1787; *rhodopensis* Freyer,[1836]; *uralensis* Eversmann,1844. Range (in codes): Aa AF At Bn Ba BG CN Db GR KG KK MK RO RU Sr TJ Tk TR Cc T-S UA Ui UZ JO Buc Nym Ktm Tar Sau DsA TrA Tu Bog Mkk IR Ab Jal Zj Elb Th Lo IQ 01 02 05 07 10 13 21 24 25 27 30 31 32 36 39 42 43 44 46 47 49 56 65 72 73 80 05A 07D 13G 13Gv 25F 25Fa 25Fb 27C 27Cb 30Bg 31M 39G 56F 65D 65Dc 65Dd 65Dda 65Dl 65Dlc 65Dm 65Do 65Dt 65Dn 65F 65Fb 65Fç 65Fe 65Fh 65Fj 65Fq 65Fz 65F3 65M 65Md 65Ne 65Nb 65N 65Na 65Np 65Nş 65Nm
7. **Melitaea (s.str.) cinxia (Linnaeus,1758)** (Argynnidae) Synonym(s): *cinxia* Linnaeus,1758; *abacus* Retzius,1783; *fulla* Quensel,1791. Range (in codes): AL At Bn Kts AT Ba BE BG Hsk B-H BY CH CN CZ DE DK DZ EE ES Mu FI FR GB GR HU HV IT IQ IR Elb Ab Ak Fa Qz Ha KG Kr Ku LT LU LV MK MA MN NL NO PL PT RO RU SE Si SK Sm So Sr SS TR UA Ui Uk VI YU Sau Tar DsA TrA Mz GG AZ AM Nv Arr Ord Smt Bjo Tbl Cc MD T-S Skj 01 02 03 04 05 06 07 08 12 13 14 16 17 18 20 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 46 47 48 49 50 51 52 55 56 58 60 61 62 65 66 69 70 71 73 74 76 80 05A 06A 06B 06G 06H 06K 06N 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 13B 13Ba 13E 13Ea 13F 13G 13Gö 13Gg 13Go 13Gs 13Gü 13Gv 13Gw 21N 21Nb 25F 25Fa 25Fb 25Fc 27C 29A 29Ae 31N 31M 38F 38Hc 46F 46Fe 46G 65D 65Dc 65Dd 65Dda 65Dr 65Drb 65G 65Gd 65Ge 65F 65Fb 65Fc 65Fd 65Fe 65Fh 65Fm 65Fz 65K 65Kl 65Kg 65Kö 65Kz 65Ks 65N 65Nr2 65Nr3 65Nr4 65Nr6 65Nr7 65Nm 66A 73D 73Dg 76C 76A 76Ab 76D 76Dd
8. **Polygonia (Comma) egea (Cramer,[1775])** (Argynnidae) Synonym(s): *egea* Cramer,[1775] (*junior* homonym); *vaualbum* Esper,1780; *l-album* Esper,1789; *triangulum* Fabricius,1793; *autumnalis* Stefanelli,1873; *#balucha* Evans,1932; *#pallida* Evans,1932. Range (in codes): Ae AF AL BG BY CH CN Co Cr FR GR IT LB MK MT PK BI PK Haz Mre IN Kma RO RU Sa Si Sr TR UA Ui YU JO IR Ab Elb Mz Th Fa Ss IQ Mos TM Kp Cc AM AZ GG Nv Ord Lag Smt Bjo IL Pa Hf 01 02 04 05 06 07 08 09 13 14 16 17 20 21 23 24 25 26 27 29 30 32 33 34 35 36 37 38 41 42 43 44 45 46 47 48 49 50 51 53 56 58 60 62 63 65 66 68 71 72 73 76 78 80 04D 04Db 05A 06D 06P 06R 13A 13Ac 13G 13Gw 21N 21Nb 25F 25Fa 27C 27Cb 46F 48A 48Aa 56F 56Fb 65D 65Dc 65Dc1 65Dk 65Dl 65Dla 65Dm 65Do 65Dv 65G 65Gt 65F 65Fb 65Fç 65Fd 65Fe 65Fz 65K 65Kl 65Kg 65N 65Np 65Nm 80E 80Eb
9. **Vanessa (Cynthia) cardui (Linnaeus,1758)** (Argynnidae) Synonym(s): *cardui* Linnaeus,1758; *carduelis* Cramer,1775; *elymi* Rambur,1829; *kershawii* McCoy,1868; *pallida* Schøyen,1881; *japonica* Stichel,1908; *universa* Verity,1919; *takesakiana* Kato,1925; *jacksoni* Clark,1927 Range (in codes): Ad Ae AF AL As At AT Az BE BG BH BY Ch CH CN Co Cr CY CZ DE Dh DK EE ES FI FR GB GR Hd Hj HU IE IL IN IQ IR IS IT JO KG KK KW LB Ld Lt LU LV MN MT Mu NfNj NL NO PH PK PL PT Qa Rd RO RU Sa Sa SE Si Si SK SY Ti TJ TM TR T-S UA Ui UZ YE YU SS HV B-H MK Mt AO BF BI BJ BW BZ CF CG CI CM Cn Dj DZ EG EH ER ET FP GA GH GM GN GO GW KE KM LR LS LY MA MG ML MR MW MZ NA NE NG RW SC SD Sem SL SN SO ST SZ TD TG Tk TN TZ UG ZA ZM ZR ZW Cw Dv Smt H-W Sur Ssx Ken Cy LY Kts Tm Ci Um Sau Tar DsA TeA KuA TrA Ket Bn Ar Mu Mu18

⁶ For recent taxonomical changes in the genus, see: Oorschot,H.van & J.G.Coutsis, 2014. *The Genus Melitaea Fabricius, 1807. Taxonomy and systematics with special reference to the male genitalia (Lepidoptera, Nymphalidae, Nymphalinae)*. 360pp. Tshkolovets, Pardubice.

GG AZ Nv AM MD NP Ab Ak Ahw Ar Ara B-A Bk Brz Bu By Dzf Es Fa Gh Gor Ha Hz Il Kaz Kd Kh Km Kz Lo Ma
Mz Qz Se Ss Th Yz Zj Ke Luz Mno Neg Pal US MX Aks Alb Arz Cf Cnt Col Dw Fl Ge Id Idp Iln Io Kan Knt Lou Mai
Meh Mis Mns Mon Mrl Msc Mss NCa Ndk NMx Ne Neb Nh Nje Ny Oh Ok Org Pns RDi SDk Tnn Tx Ut Vi Vr WVi
We Ws Wy Ord Nta Kzu Ptb Gau Pre Est Spb Lj Tva Lpo Mdk Ent Kru Pma Pf Pa Hf TH CMA SD91 SD119 MW
Zom Arr Oru Jal Msw Kh KP KR JP Koh Msr Nra 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58
59 60 61 62 63 65 66 67 68 69 70 71 72 73 74 75 76 78 80 81 04D 04Db 05A 06B 06C 06D 06G 06H 06K 06N 06R
06Rd 06V 06Z 13A 13Ac 13B 13Ba 13D 13Da 13F 13F33 13F35 13G 13Gö 13Gğ 13Gv 13Gk 13Go 13Gw 13Gz 14I
14Ib 21N 21Nb 21Nh 25F 25Fa 25Fb 25Fc 27C 27Cb 29A 29Ac 30B 30Bb 30Bk 30D 30Df 31K 31Ka 31La 31N 36D
36Db 39C 44A 44Ab 45L 45La 46F 46Fc 48A 48Ak 48D 48F 48L 56D 56Db 56Dc 56Dh 56Dg 56F 63D 63E 65D
65Dc 65Dç 65Dk 65Dl 65Dlc 65Dn 65Do 65Dr 65Drb 65Dt 65E 65Eb 65Ec 65Eç 65Ed 65F 65Fi 65Fb 65Fd 65Fg
65Fj 65Fm 65Fn 65Fq 65Fr 65Fü 65Fw 65Fz 65G 65Gf 65Gl 65Gi 65Gv 65Gz 65K 65Kc 65Ka 65Kl 65Kg 65Ks
65Ky 65Ky1 65N 65Nc 65Nc4 65Ng 65Nh 65Nk 65Np 65Np1 65Np2 65Np3 65Np4 65Nm 65Nl 65No 65Nr5 65M
65Mc 65Md 66A 72E 72Ek 73D 73Da 73Df 75F 75Fg 75Fj 75Fi 76A 76Ac 76B 76Bf 76Bh 76C 76D 76Da 78D 78Da
80E 80Eb

10. **Vanessa (s.str.) atalanta (Linnaeus,1758)** (Argynnidae) Synonym(s): *atalanta* Linnaeus,1758;
amiralis Retzius,1783; *#klemensiewiczii* Schille,1896; *#klimene* Fischer,1896; *italica* Stichel,1900. **Range (in codes):** IL
He Pa Hf Ae AL Ao At AT Az Ba BE BG B-H BY CH CN Co Cr CZ DE DK DZ EE ES FI FR GB GR HU HV IE IR IS
IT JO KG Kp Kr LB LT LU LV MA MK MT NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr SS TM TN TR T-S UA Ui
Uk VI YU Cw Dv Smt H-W PK Zh Bl Ce GG AZ AM CY US MX Sur Ssx Ken Cn Mu Mu18 Nv MD Elb Mz GlS CA GT
CU HT NZ AU Aks Alb Arz Cf Cnt Col Dw Fl Ge Id Idp Iln Io Kan Knt Lou Mai Meh Mis Mns Mon Mrl Msc Mss
NCa Ndk NMx Ne Neb Nh Nje Ny Oh Ok Org Pns RDi SDk Tnn Tx Ut Vi Vr WVi We Ws Wy IQ Bgd Ab 01 03 04
05 06 07 08 09 10 11 13 14 16 17 18 21 22 23 24 25 27 29 30 31 32 33 34 35 36 37 38 39 42 43 44 45 46 48 50 51 52
53 55 56 58 59 60 61 62 63 65 66 71 74 75 77 78 80 81 04D 04Db 05A 06G 06H 06R 06Rd 06S 06Z 09K 09Ka 13F
13F33 13G 13Gü 13Gy 13Gw 14I 14Ib 21N 21Nb 27C 27Cb 30D 30Df 39C 45L 45La 46F 46Ff 48A 48Ak 48D 48F
48L 56B 56Bb 56F 63D 63E 65D 65Dç 65F 65Fq 65Fs 65Fz 65N 65Nc 65No 65Nm 66A 75F 75Fi 77F



Fig.12 - *Issoria lathonia* (Argynnidae), first generation; at rest. Gören Mt. 65Np, 4 5 2014, M. Kemal (Cesa)



Fig. 13 - *Melitaea perseia* (Argynnidae), a rare species. Gören Mt. 65Np2, 7 6 2014, M. Kemal (Cesa)



Fig. 14 – *Melitaea cinxia* (Argynnidae) ♀, Gören Mt. Dağönü 1825m (65Nr7) 17 5 2014, M.Kemal (Cesa)



Fig. 15 – *Melitaea cinxia* (Argynniidae), in copula. Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)

Hesperiidae (10)

This family is represented by ten species in the area. Populations of the species are very low except *Thymelicus*. No species of *Erynnis* is observed surprisingly.

11. **Carcharodus (Reverdinus) flocciferus (Zeller,1847)** (Hesperiidae) Synonym(s): *flocciferus* Zeller,1847; *altheae* Hübner,[1803] nec Esp.,[1783]; *imperator* Hemming,1934; *alchymillae* Hemming,1936; *autumnalis* Verity,1940. Range (in codes): MA AL AT Ba BG BY CH CZ DE ES Mu FR GR Rd HU IT LT LV PL PT RO RU Sa Si SK Sm Sr TM TR IR Ab Sro UA VI YU Mt Ko MK SS HV B-H KG Sp Bv Bw Rp Cc 08 25 30 36 53 65 69 71 75 76 65D 65N 65Np1 65Nr6 65Nm 76C
12. **Carcharodus (s.str.) alceae (Esper,[1780])** (Hesperiidae) Synonym(s): *alceae* Esper,[1780]; *malvae* Hufnagel,1766 nec Linn.,1758; *malvarum* Hoffmannsegg,1804; *magnaustalis* Verity,1924; *corsicus* Picard,1948. Range (in codes): AF AL AM Ao AT AZ Ba BE BG BY Ch Ci CN Co Cr CZ DE ES FR Gg GG GR Rd Gs Hd Hp HU IN IQ IR IT Kab KG Kr Ku LB Ld LU MA Mre Haz Mus NL Pag PK PL PT RO RU Sa Si SK Sm Sml So Sr TM TN TR UA Ui Uk Up VI YE YU Mt Ko MK SS At Mn Sp Tk Aa Tm Sau Tar DsA Ax Tls T-S Mu CH HV B-H DZ Bn CY IL Pa Hf Cc Arr Ab Ak Shf GlS Kh Nar 01 03 04 05 06 07 08 09 10 12 13 15 16 17 20 21 23 24 25 26 27 29 30 31 32 33 34 35 36 38 39 41 42 43 44 45 46 47 48 49 50 51 53 56 58 60 62 63 65 66 67 70 71 72 73 74 75 76 78 79 80 04D 04Db 05A 06B 06G 06K 06R 06Rd 06V 06Z 13F 13G 13Go 13Gv 13Gw 25F 25Fa 21N 21Nb 27C 27Cb 30A 30Aa 30B 30Bd 30Be 30Bh 30Bf 30Bj 30Bg 30D 30Da 30Bj1 30Bo 30Dt 31K 31Ka 36D 36Db 39C 48A 48Aa 48Ak 48D 48F 56F 63D 63E 65D 65De 65Dc 65Dd 65Dda 65Dl 65Do 65Dp 65Dr 65Drb 65Dt 65Dw 65Dn 65E 65Ea 65Eb 65Ed 65F 65Fb 65Fd 65Fg 65Fu 65Fq 65F3 65F1 65Fz 65G 65Gn 65K 65Kb 65Kc 65Kl 65Kö 65Ks 65N 65Na 65Nk 65Np 65Np4 65Nm 66A 72E 72Eb 73A 73Ad 73Ad2 73D 73Db 75E 76B 76Bb 76Bf 76Bh 76D 76Da 76Df 78D 78Da 79B
13. **Muschampia poggei (Lederer,1858)** (Hesperiidae) Synonym(s): *poggei* Lederer,1858 Range (in codes): GG Cc IQ IR Ab LB SY TR AM Nv AZ 01 07 12 13 21 23 24 25 27 30 33 42 44 46 47 49 56 58 62 63 65 70 72 73 13G 13Gv 24E 24Ea 56F 65D 65Dc 65Dp 65E 65Eb 65G 65F 65Fg 65Fh 65Fj 65Fl 65Fz 65K 65Kc 65Kz 65Kg 65N 65Np2 65Np8 65Nm 72E 72Eb 72Eg 72Eh 72Ei 72Ej 73D 73Df 73Dg
14. **Pyrgus cinarae (Rambur,[1839])** (Hesperiidae) Synonym(s): *cinarae* Rambur,[1839]; *cynarae* Boisduval,1840 Range (in codes): AL BG Cm ES GR MK RU TR Cc UA VI Ur IR 01 03 05 06 08 13 15 16 22 25 29 30 33 35 38 42 43 53 58 60 62 65 76 05A 06K 06Kb 06Z 13G 13Gv 25F 25Fa 25Fb 65D 65Do 65Dob 65N 65Nr4 65Nm 76C
15. **Pyrgus melotis (Duponchel,[1834])** (Hesperiidae) Synonym(s): *melotis* Duponchel,[1834]; *hypoleucos* Lederer,1853; *jordana* Hemming,1932. Range (in codes): GR IL Pa JO LB SY TR Cc IR Ab Elb Th Kdj 01 02 03 04 05 06 07 08 09 10 12 13 14 18 20 21 23 24 25 27 28 29 30 31 32 33 35 36 38 42 43 44 46 48 49 50 51 52 53 56

58 60 61 65 66 69 70 71 73 76 80 05A 06B 06C 06G 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 13D 13Da 13F 13G 13Gö 13Gğ 13Gv 13Gw 13Gs 13Gü 21N 21Nb 25F 25Fa 27C 27Cb 31K 31Ka 31M 36D 36Dc 44A 44Ab 46F 56F 56Fa 63D 65D 65Dç 65Dd 65Dda 65Dl 65Dn 65Dr 65Drb 65E 65Ed 65F 65F1 65Fç 65Fh 65Fe 65F3 65Fj 65Fz 65K 65Kd 65Kğ 65Kl 65N 65Np 65Nm 66A 76B 76Bf 76Bh 76D 76Da

16. **Pyrgus serratulae (Rambur,[1839])** (Hesperiidae) Synonym(s): *serratulae* Rambur,[1839]; *caecus* Freyer,1846; *occidentalis* Lucas,1910 *nec* Skinn.,1906; *planorum* Verity,1925; *magnagallica* Verity,1931; *plurisignata* Silbernagel,1946; *arvernensis* Picard,1948. Range (in codes): AL AT Bn At Ba BG B-H BL BY CH CZ DE DK EE ES Mu FR GR HU HV Ir IT KG Kp LB LT LU LV MK PL PT Py RO RU SK So Sr SS TM TR UA Uk VI YU Mt Ko Ce GG AM IR Ab Kh IQ Sau Tar Mn CN Ui 01 03 04 05 06 07 08 12 13 14 17 18 23 24 25 27 28 29 30 31 32 33 34 36 37 38 39 42 46 47 48 49 50 51 52 53 54 58 60 61 62 65 66 69 70 71 73 74 75 76 05A 06B 06K 06P 06R 06S 06V 06Z 13G 13Gv 25F 25Fa 25Fc 36D 36Dc 38H 38Hc 46F 65A 65D 65Dç 65Dd 65Dda 65F 65Fb 65Fç 65Fe 65Fm 65F3 65Fz 65K 65Kd 65Kğ 65Kl 65Kö 65N 65Nr4 65Nr6 65Nm 66A 75A 75Ac 75E 76C 76D 76Db
17. **Pyrgus sidae (Esper,[1784])** (Hesperiidae) Synonym(s): *sidae* Esper,[1784] Range (in codes): AL Ba BG B-H BY ES FR GR HV IT Kp MK RO RU So Sr SS TM TR Arr Ce IR Ab Kh GG UA VI YU Mt Ko KG Uk KK Na Ket Ax Ug Tls T-S 01 03 04 05 06 07 08 10 12 13 14 16 17 18 20 21 23 24 25 28 29 30 32 33 34 35 36 38 39 41 42 46 49 50 51 53 56 58 59 60 61 62 65 66 69 71 72 73 74 75 76 81 04D 04Db 05A 06B 06K 06G 06P 06R 06V 13C 13Cd 13D 13Da 13F 13G 13Ga 13Gv 13Gw 14I 14Ib 21N 21Nb 25F 25Fa 25Fb 30D 30Dt 36D 36Db 36Dc 56F 65D 65Dc 65Dç 65Dd 65Dda 65Dm 65Dn 65F 65Fm 65Fe 65Fb 65F2 65Fz 65K 65Kğ 65Kl 65Kö 65N 65Np 65Nm 66A 72E 72Ej 72Eh 72Ei 75E 75F 76C
18. **Spialia (Neospialia) orbifer (Hübner,[1823])** (Hesperiidae) Synonym(s): *orbifer* Hübner,[1823]; *tesselloides* Herrich-Schäffer,[1845]. Range (in codes): AF AL At Kts Ba BG BY CN GR HU HV JO IQ IR LB KG KK Kr MK RO RU Si SK Sm Sr SS TR AM UA Ui VI YU Mt Ko Mn Sp Tk Aa Syr Tm Sau Mrk Tar TrA DsA Ax TeA Bl Ci Gg Kab Nwf Pag PK Sju Qu Urk Zi Shs Sng She Gor Mrw Man Nmg Br Smk Bsa Bei Aiz Zah Js Shq Dk Krd Km Amm Hal Dms Bld UA Cm Th T-S IL Pa Hf Rd Ce Ab Ak Msw 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 23 24 25 27 28 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 58 59 60 61 62 63 64 65 66 68 69 70 71 72 73 74 75 76 77 80 05A 06B 06C 06K 06G 06N 06Ne 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 13C 13Cd 13E 13Ea 13F 13G 13Gd 13Gv 21N 21Nb 25F 25Fa 25Fb 27C 27Cb 31M 36D 36Dc 38H 38Hc 39C 45L 45La 46F 48A 48Ak 48Ah 48F 56F 56F1 63D 63E 65D 65Dc 65Dç 65Dd 65Dda 65Dk 65Do 65Dq 65Du 65Dv 65G 65Gn 65Gm 65Gz 65F 65Fb 65Fh 65Fg 65Fç 65Fe 65Fr 65Fp 65Fq 65F1 65Fj 65F3 65Fx 65Fz 65K 65Kc 65Kö 65Kğ 65N 65Np 65Np1 65Np3 65Np4 65Np7 65Nr2 65Nr4 65Nr6 65Nr7 65Nm 66A 72E 72Ec 72Ei 75E 76C
19. **Thymelicus lineolus (Ochsenheimer,1808)** (Hesperiidae) Synonym(s): *lineolus* Ochsenheimer,1808; *virgula* Hübner,1813 *nec* Retz.,1783; *ludoviciae* Mabilie,1883; *pallida* Tutt,1896; *clara* Tutt,1905; *hemmingi* Romei,1927; *melissus* Zerny,1932; *forax* Hemming,1934 Range (in codes): At Kts AF AL Ao AT Ax Ba BG B-H BL BY CH CN Co CZ DE DK EE ES FI FR GB GR HU HV IL IR IT JO KG KK LB LT LU LV MA MK NL NO Pa PL PT RO RU SE Si SK Sm So Sr SS TM TR T-S UA Ui Uk VI YU Sur Ssx Ken Mt Ko DZ TN Or Bs Tt Cb Kg Ty Kt Rk Pw Ka Sp Mn No Tk Aa Mu Aq Bn Tm Kuz Sli Sau Tar DsA Ax Tls TrA T-S GG AZ Nv Ord Smt Bjo Ce IQ Mos US Cnt Col Dw Id Idp Iln Io Knt Mai Mch Mis Mns Mon Mrl Msc NCa Ndk Neb Nh Nje Ny Oh Pns RDi Tnn Vi Vr WVi Wc Wy Ab Sro Jal Kh 01 02 03 04 05 06 07 08 10 12 13 14 15 16 18 19 20 21 22 23 24 25 26 27 29 30 31 32 33 34 36 38 39 40 42 43 44 46 47 48 49 50 51 56 58 60 62 63 65 66 69 70 71 73 74 75 76 78 80 04D 04Db 05A 06B 06G 06K 06R 06V 06Z 13B 13Ba 13D 13Da 13E 13Ea 13G 21N 21Nb 24E 24Ea 25F 25Fa 25Fb 25Fc 30A 30Aa 30B 30Bc 30Bd 30Bh 30Bf 30Bg 30Bj 30Bk 30D 30Da 30Df 30Dfa 36D 36Dc 44A 44Ab 46D 46Da 56A 56Ac 56B 56F 58R 58Rb 65D 65Dç 65Dl 65Db 65Dp 65Dq 65Dm 65Du 65E 65Eb 65F 65Fb 65Fg 65Fh 65Fe 65Fj 65F2 65Fz 65G 65Ge 65K 65Kc 65Kd 65Kö 65Kğ 65N 65Np 65Np1 65Np7 65Np8 65Nm 66A 73A 73C 73Ağ 73Cd 73Ce 75E 75F 75Fd 76C 76D 76Da 76Df
20. **Thymelicus sylvestris (Poda,1761)** (Hesperiidae) Synonym(s): *sylvestris* Poda,1761; *flava* Brünnich,1763; *linea* Müller,1764; *thauas* Hufnagel,1766; *divaricatus* Fourcroy,1785; *venula* Hübner,[1813]; *obscura* Verity,1905 Range (in codes): AL AT Ba BE BG BY CH CZ DE DK EE ES Mu FR GB GR HU IT JO Kr LB LT LU LV MK NL PL PT RO RU Si SK Sm So Sr TR UA Vi YU Cw Dv Smt H-W Sur Ssx Ken MA DZ IR Ab Kh Gl Cc GG AZ AM SY IQ Mnf Ur Or Bs 01 02 03 04 05 06 07 08 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47 48 49 50 51 56 58 60 61 62 63 64 65 66 67 69 70 71 72 73 74 75 76 78 81 04D 04Db 05A 06A 06B 06C 06D 06G 06K 06N 06P 06R 06Rd 06V 06Z 13B 13Ba 13E 13Ea 13G 13Ga 13Gv 13Gw 21N 21Nb 25F 25Fa 25Fb 25Fc 27C 27Cb 30A 30Aa 30B 30Ba 30Bc 30Bd 30Bh 30Be 30Bf 30Bj 30D 30Dt 31M 36D 36Dc 45L 45La 46F 48A 48Ak 48A□48D 56A 56Ac 56B 56Ba 56F 63E 65D 65Dc 65Dk 65Dl 65Dla 65Dm 65Dp 65Du 65F 65Fb 65Fj 65Fq 65F2 65Fm 65Fe 65Fg 65G 65Ge 65K 65Kc 65Kd 65Kğ 65Kl 65Kö 65Kü 65L 65La 65N 65Np 65Np7 65Np8 65Nm 66A 73A 73C 73Ağ 73Ac 73Cd 73D 73Df 75E 75F 76C 76D 76Db 78D 78Da



Fig. 16 – *Carcharodus alceae* (Hesperiidae), during feeding on nectar of *Brassicaceae*. Gören Mt. 65Nk, 23 4 2014, M. Kemal (Cesa)



Fig. 17 – *Carcharodus alceae* (Hesperiidae), at rest. Gören Mt. 65Np, 4 5 2014, M. Kemal (Cesa)



Fig. 18 – *Muschampia poggei* (Hesperiidae), during feeding on nectar of *Thymus* (Lamiaceae). Gören Mt. 65Np2, 7 6 2014, M. Kemal (Cesa)

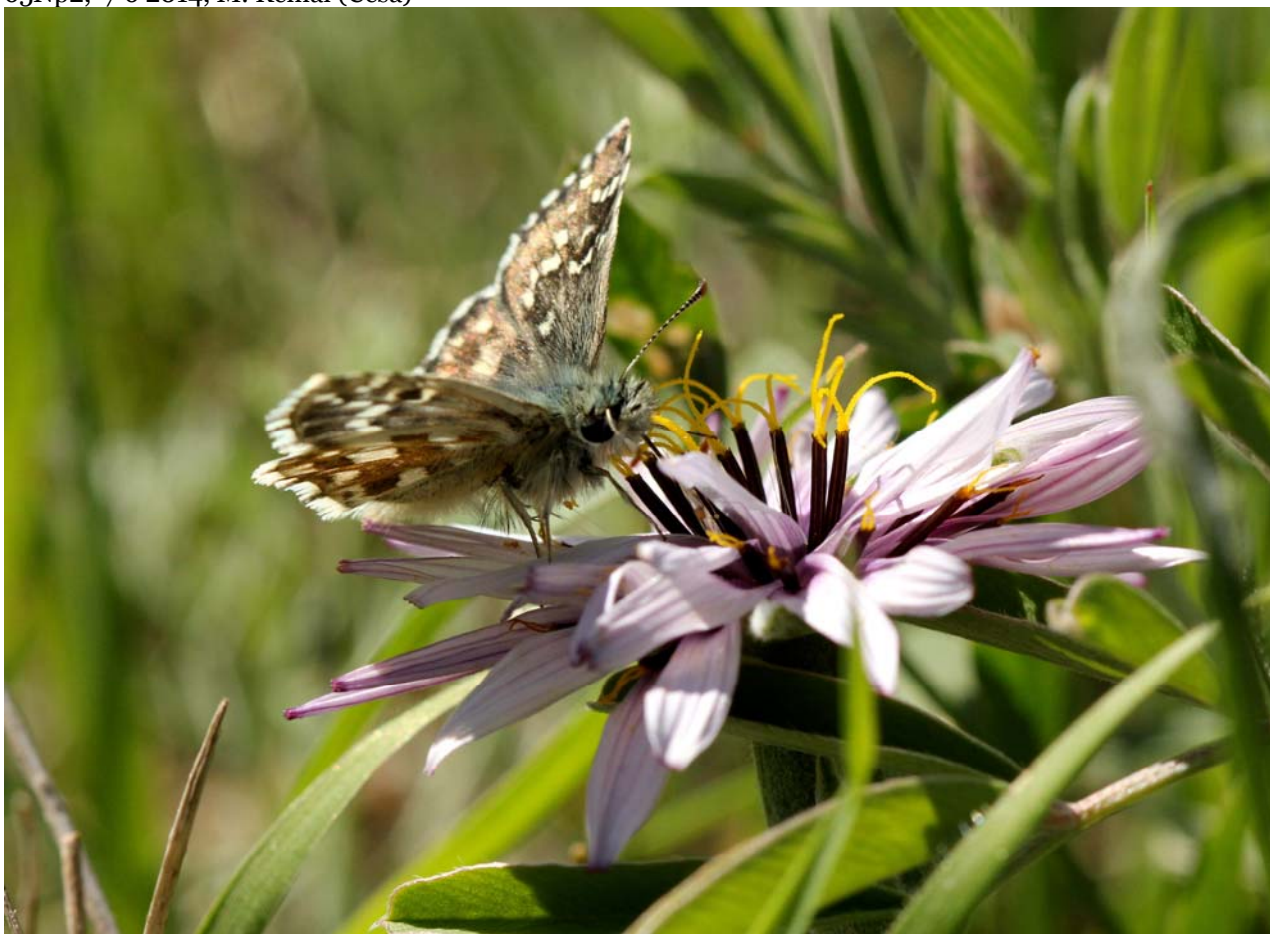


Fig. 19 - *Pyrgus melotis* (Hesperiidae), during feeding nectar from the flower of *Tragopogon* (Asteraceae). Gören Mt. 65Np, 4 5 2014, M.Kemal (Cesa)



Fig.20 – *Spialia orbifer* (Hesperiidae), at rest. Gören Mt. 65Np, 21 5 2014, M. Kemal (Cesa)



Fig. 21 – *Spialia orbifer* (Hesperiidae) Alaköy 1785m (65Ns), 28 5 2014, M. Kemal (Cesa)

Libytheidae (1)

This family is represented in Turkey by a single species. It is observed in the area only from a single locality with the code 65Np7.

21. **Libythea (s.str.) celtis (Laicharting,1782)** (Libytheidae) Synonym(s): *celtis Laicharting,1782*
Range (in codes): AL AT BG B-H Bw BY CH Cr CY DZ TN ES Mu FR GR HU HV IQ IR Ab Elb GlS IT Kp MK PK Ci Nwf PT RO RU Sa Si SK SS TM TR Cc UA YU TrA Ax Tls KG CN TW JP KP KR T-S 01 03 05 06 07 08 09 10 11 13 14 16 17 20 21 23 25 26 27 29 30 31 32 33 34 35 37 38 41 42 43 46 48 52 56 58 60 62 65 66 71 73 76 05A 06A 06K 06R 13C 13Cd 13F 13F33 13F35 21N 21Nb 25F 25Fa 27C 27Cb 56D 56De 56F 56Fb 65D 65Dl 65Dlc 65Di 65Dk 65Do 65G 65Ge 65N 65Np7 65Nm 66A 73A 73Ad 73Ad2 73D 73Df

Lycaenidae (25)

According to the first results of our attempt, the family is represented here by only 25 species. Two species of the genus *Callophrys* is frequently observed at the places where tragacanthic *Astragalus* steppe well developed. Butterflies were seen on the flowers of *Onobrychis cornuta* during feeding. *C. argiolus*, *C. osiris*, *L. phlaeas*, *P. agestis*, *P. vicrama*, *R. bavius* were rare in the area. In spring months, *T. callimachus* was common, but no specimen of *T. romanovi* was recorded. Similarly, *L. asabinus*, *L. kefersteinii*, *P. zephyrinus* and *P. carmon* were also common in the mountain steppe. In early June, first *Agrodiaetus* species, i.e. *demavendi* was captured. In this area, this is a very early flying time for this species.

22. **Callophrys danchenkoi Zhdanko,1998** (Lycaenidae) Synonym(s): *danchenkoi Zhdanko,1998* Range (in codes): Cc AM Alg Eri IR Ab Ak Msw Elb Fa Ke Zj SY Dms TR 04 07 13 25 30 36 56 58 65 73 07D 07Db 13B 13Ba 13G 13Ga 13Gö 13Gg 56F 65D 65Da 65Dc 65Dk 65Dn 65Dt 65Dy 65G 65F 65Fd 65Fe 65Fp 65Fq 65Fz 65G 65Gi 65Gt 65K 65Kl 65Ks 65N 65Np 65Np1 65Nm 73A 73Af
23. **Callophrys paulae Pfeiffer,1932** (Lycaenidae) Synonym(s): *paulae Pfeiffer,1932*; *?alpicola Koçak,1989* Range (in codes): Cc AM AZ TR IR Kh TM Kp 07? 24 25 30 38 46 50 51 60 62 65 69 70 73 75 07D 07Db 46G 65D 65Da 65Dl 65Dlc 65F 65Fp 65Fz 65G 65Ge 65Gd 65N 65Np 65Np1 65Np2 65Np4 65Nr4 65Nm 69B 69Ba 70A
24. **Celastrina argiolus (Linnaeus,1758)** (Lycaenidae) Synonym(s): *argiolus Linnaeus,1758*; *cleobis Sulzer,1776*; *thersanon Bergsträßer,1779*; *argyphontes Bergsträßer,1779*; *argalus Bergsträßer,1779*; *marginatus Retzius,1783*; *acis Fabricius,1787 nec Dru.,[1773]*; *#parvipuncta Fuchs,1880*; *calidogenita Verity,1919*; *britannia Verity,1919*. Range (in codes): He IL Ae AL AM Ao At AT AZ Ba BE BG BY CH CN Co Cr CY CZ DE DK DZ EE ES FI FR GB GG GR HU IE IQ IR IT KG KK Ku LT LU LV MA MK MT NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr TM TN TR UA Ug Uk VI YU Cw Dv Smt H-W Sur Ssx Ken SY Kuz Sli DsA TrA KuA Ax Sau Ta JP MN KP KR TW Yu PH Luz Vv Sh Buc Mrk US CA MX PA LB Sj AF Als Ssk Mnt Mon We Nfi Ti Btn Ats BCo Cf Ut Ne NMx PA GT Us Mc Bry Ok SCa Tx Ge Lou Kan Aks Mss Alb Bn T-S Ab Ak Elb Th Ha Fa Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Lug Pls Rio San Seg Sma Sor Svl Ter Tol Trg Val Vcl Zg Zm MX Arz Cf Cnt Col Dw Fl Id Idp Iln Knt Mai Meh Mis Mns Mon Mrl Msc NCa NDk NMx Ne Neb Nh Nje Ny Oh Org Pns RDi SDk Tnn Ut Vi Vr WVi We Ws Wy Nsr TH CMA CDo MM NP IN Clc SI Slo Ass VN Ann Cc Arr Shf 01 02 03 05 06 07 08 09 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 45 46 47 48 49 50 51 52 53 54 56 59 60 61 62 65 66 67 69 72 73 75 76 78 81 01K 05A 06C 06G 06K 06R 06Rd 06Z 12A 12Ab 13B 13Ba 13D 13Da 13G 13Ga 13Gv 13Gw 21N 21Nb 23D 25F 25Fa 25Fc 25Fb 25Ff 25Fg 25Fh 25Fi 25Fj 25Fk 25Fl 25Fm 25Fn 25Fo 25Fp 25Fq 25Fr 25Fs 25Ft 25Fu 25Fv 25Fw 25Fx 25Fy 25Fz 25Ga 25Gb 25Gc 25Gd 25Ge 25Gf 25Gg 25Gh 25Gi 25Gj 25Gk 25Gl 25Gm 25Gn 25Go 25Gp 25Gq 25Gr 25Gs 25Gt 25Gu 25Gv 25Gw 25Gx 25Gy 25Gz 25Ha 25Hb 25Hc 25Hd 25He 25Hf 25Hg 25Hh 25Hi 25Hj 25Hk 25Hl 25Hm 25Hn 25Ho 25Hp 25Hq 25Hr 25Hs 25Ht 25Hu 25Hv 25Hw 25Hx 25Hy 25Hz 25Ia 25Ib 25Ic 25Id 25Ie 25If 25Ig 25Ih 25Ii 25Ij 25Ik 25Il 25Im 25In 25Io 25Ip 25Iq 25Ir 25Is 25It 25Iu 25Iv 25Iw 25Ix 25Iy 25Iz 25Ja 25Jb 25Jc 25Jd 25Je 25Jf 25Jg 25Jh 25Ji 25Jj 25Jk 25Jl 25Jm 25Jn 25Jo 25Jp 25Jq 25Jr 25Js 25Jt 25Ju 25Jv 25Jw 25Jx 25Jy 25Jz 25Ka 25Kb 25Kc 25Kd 25Ke 25Kf 25Kg 25Kh 25Ki 25Kj 25Kk 25Kl 25Km 25Kn 25Ko 25Kp 25Kq 25Kr 25Ks 25Kt 25Ku 25Kv 25Kw 25Kx 25Ky 25Kz 25La 25Lb 25Lc 25Ld 25Le 25Lf 25Lg 25Lh 25Li 25Lj 25Lk 25Ll 25Lm 25Ln 25Lo 25Lp 25Lq 25Lr 25Ls 25Lt 25Lu 25Lv 25Lw 25Lx 25Ly 25Lz 25Ma 25Mb 25Mc 25Md 25Me 25Mf 25Mg 25Mh 25Mi 25Mj 25Mk 25Ml 25Mm 25Mn 25Mo 25Mp 25Mq 25Mr 25Ms 25Mt 25Mu 25Mv 25Mw 25Mx 25My 25Mz 25Na 25Nb 25Nc 25Nd 25Ne 25Nf 25Ng 25Nh 25Ni 25Nj 25Nk 25Nl 25Nm 25Nn 25No 25Np 25Nq 25Nr 25Ns 25Nt 25Nu 25Nv 25Nw 25Nx 25Ny 25Nz 25Oa 25Ob 25Oc 25Od 25Oe 25Of 25Og 25Oh 25Oi 25Oj 25Ok 25Ol 25Om 25On 25Oo 25Op 25Oq 25Or 25Os 25Ot 25Ou 25Ov 25Ow 25Ox 25Oy 25Oz 25Pa 25Pb 25Pc 25Pd 25Pe 25Pf 25Pg 25Ph 25Pi 25Pj 25Pk 25Pl 25Pm 25Pn 25Po 25Pp 25Pq 25Pr 25Ps 25Pt 25Pu 25Pv 25Pw 25Px 25Py 25Pz 25Qa 25Qb 25Qc 25Qd 25Qe 25Qf 25Qg 25Qh 25Qi 25Qj 25Qk 25Ql 25Qm 25Qn 25Qo 25Qp 25Qq 25Qr 25Qs 25Qt 25Qu 25Qv 25Qw 25Qx 25Qy 25Qz 25Ra 25Rb 25Rc 25Rd 25Re 25Rf 25Rg 25Rh 25Ri 25Rj 25Rk 25Rl 25Rm 25Rn 25Ro 25Rp 25Rq 25Rr 25Rs 25Rt 25Ru 25Rv 25Rw 25Rx 25Ry 25Rz 25Sa 25Sb 25Sc 25Sd 25Se 25Sf 25Sg 25Sh 25Si 25Sj 25Sk 25Sl 25Sm 25Sn 25So 25Sp 25Sq 25Sr 25Ss 25St 25Su 25Sv 25Sw 25Sx 25Sy 25Sz 25Ta 25Tb 25Tc 25Td 25Te 25Tf 25Tg 25Th 25Ti 25Tj 25Tk 25Tl 25Tm 25Tn 25To 25Tp 25Tq 25Tr 25Ts 25Tt 25Tu 25Tv 25Tw 25Tx 25Ty 25Tz 25Ua 25Ub 25Uc 25Ud 25Ue 25Uf 25Ug 25Uh 25Ui 25Uj 25Uk 25Ul 25Um 25Un 25Uo 25Up 25Uq 25Ur 25Us 25Ut 25Uv 25Uw 25Ux 25Uy 25Uz 25Va 25Vb 25Vc 25Vd 25Ve 25Vf 25Vg 25Vh 25Vi 25Vj 25Vk 25Vl 25Vm 25Vn 25Vo 25Vp 25Vq 25Vr 25Vs 25Vt 25Vu 25Vv 25Vw 25Vx 25Vy 25Vz 25Wa 25Wb 25Wc 25Wd 25We 25Wf 25Wg 25Wh 25Wi 25Wj 25Wk 25Wl 25Wm 25Wn 25Wo 25Wp 25Wq 25Wr 25Ws 25Wt 25Wu 25Wv 25Ww 25Wx 25Wy 25Wz 25Xa 25Xb 25Xc 25Xd 25Xe 25Xf 25Xg 25Xh 25Xi 25Xj 25Xk 25Xl 25Xm 25Xn 25Xo 25Xp 25Xq 25Xr 25Xs 25Xt 25Xu 25Xv 25Xw 25Xx 25Xy 25Xz 25Ya 25Yb 25Yc 25Yd 25Ye 25Yf 25Yg 25Yh 25Yi 25Yj 25Yk 25Yl 25Ym 25Yn 25Yo 25Yp 25Yq 25Yr 25Ys 25Yt 25Yu 25Yv 25Yw 25Yx 25Yy 25Yz 25Za 25Zb 25Zc 25Zd 25Ze 25Zf 25Zg 25Zh 25Zi 25Zj 25Zk 25Zl 25Zm 25Zn 25Zo 25Zp 25Zq 25Zr 25Zs 25Zt 25Zu 25Zv 25Zw 25Zx 25Zy 25Zz
25. **Cupido (s.str.) osiris (Meigen,[1829])** (Lycaenidae) Synonym(s): *osiris Meigen,[1829]*; *saportae Dupnchel,1832*; *violacea Verity,1911*; *sebrus Boisduval,[1833]*. Range (in codes): Lim Ae AL AT Ba BG BY CH DE ES Mu FR GR HU IT KK MK PT RO RU SK Sr TR Arr Cc GG Smt Akh T-S UA YU KG Sau Tar DsA Ket Tls IR Ab Ak Msw CN Ui 01 03 04 05 06 07 08 10 11 13 14 15 16 17 18 19 21 23 24 25 26 28 29 30 31 32 33 35 36 37 38 39 41 42 44 46 48 50 51 52 53 56 58 59 60 61 62 65 66 67 68 69 70 71 73 75 76 78 81 01L 01La 04I 05A 06A 06C 06G 06B 06K 06N 06P 06R 06Rd 06S 06Z 13B 13Ba 13D 13Da 13G 13Ga 13Gv 13Gw 21N 21Nb 23D 25F 25Fa 25Fc 30B 30Bb 30Bk 30D 30Dh 30Dt 30Dl 30Dm 30Dn 30Do 30Dp 30Dq 30Dr 30Ds 30Dt 30Du 30Dv 30Dw 30Dx 30Dy 30Dz 30Da 30Db 30Dc 30Dd 30De 30Df 30Dg 30Dh 30Di 30Dj 30Dk 30Dl 30Dm 30Dn 30Do 30Dp 30Dq 30Dr 30Ds 30Dt 30Du 30Dv 30Dw 30Dx 30Dy 30Dz 30Ea 30Eb 30Ec 30Ed 30Ee 30Ef 30Eg 30Eh 30Ei 30Ej 30Ek 30El 30Em 30En 30Eo 30Ep 30Eq 30Er 30Es 30Et 30Eu 30Ev 30Ew 30Ex 30Ey 30Ez 30Fa 30Fb 30Fc 30Fd 30Fe 30Fg 30Fh 30Fi 30Fj 30Fk 30Fl 30Fm 30Fn 30Fo 30Fp 30Fq 30Fr 30Fs 30Ft 30Fu 30Fv 30Fw 30Fx 30Fy 30Fz 30Ga 30Gb 30Gc 30Gd 30Ge 30Gf 30Gg 30Gh 30Gi 30Gj 30Gk 30Gl 30Gm 30Gn 30Go 30Gp 30Gq 30Gr 30Gs 30Gt 30Gu 30Gv 30Gw 30Gx 30Gy 30Gz 30Ha 30Hb 30Hc 30Hd 30He 30Hf 30Hg 30Hh 30Hi 30Hj 30Hk 30Hl 30Hm 30Hn 30Ho 30Hp 30Hq 30Hr 30Hs 30Ht 30Hu 30Hv 30Hw 30Hx 30Hy 30Hz 30Ia 30Ib 30Ic 30Id 30Ie 30If 30Ig 30Ih 30Ii 30Ij 30Ik 30Il 30Im 30In 30Io 30Ip 30Iq 30Ir 30Is 30It 30Iu 30Iv 30Iw 30Ix 30Iy 30Iz 30Ja 30Jb 30Jc 30Jd 30Je 30Jf 30Jg 30Jh 30Ji 30Jj 30Jk 30Jl 30Jm 30Jn 30Jo 30Jp 30Jq 30Jr 30Js 30Jt 30Ju 30Jv 30Jw 30Jx 30Jy 30Jz 30Ka 30Kb 30Kc 30Kd 30Ke 30Kf 30Kg 30Kh 30Ki 30Kj 30Kk 30Kl 30Km 30Kn 30Ko 30Kp 30Kq 30Kr 30Ks 30Kt 30Ku 30Kv 30Kw 30Kx 30Ky 30Kz 30La 30Lb 30Lc 30Ld 30Le 30Lf 30Lg 30Lh 30Li 30Lj 30Lk 30Ll 30Lm 30Ln 30Lo 30Lp 30Lq 30Lr 30Ls 30Lt 30Lu 30Lv 30Lw 30Lx 30Ly 30Lz 30Ma 30Mb 30Mc 30Md 30Me 30Mf 30Mg 30Mh 30Mi 30Mj 30Mk 30Ml 30Mm 30Mn 30Mo 30Mp 30Mq 30Mr 30Ms 30Mt 30Mu 30Mv 30Mw 30Mx 30My 30Mz 30Na 30Nb 30Nc 30Nd 30Ne 30Nf 30Ng 30Nh 30Ni 30Nj 30Nk 30Nl 30Nm 30Nn 30No 30Np 30Nq 30Nr 30Ns 30Nt 30Nu 30Nv 30Nw 30Nx 30Ny 30Nz 30Oa 30Ob 30Oc 30Od 30Oe 30Of 30Og 30Oh 30Oi 30Oj 30Ok 30Ol 30Om 30On 30Oo 30Op 30Oq 30Or 30Os 30Ot 30Ou 30Ov 30Ow 30Ox 30Oy 30Oz 30Pa 30Pb 30Pc 30Pd 30Pe 30Pf 30Pg 30Ph 30Pi 30Pj 30Pk 30Pl 30Pm 30Pn 30Po 30Pp 30Pq 30Pr 30Ps 30Pt 30Pu 30Pv 30Pw 30Px 30Py 30Pz 30Qa 30Qb 30Qc 30Qd 30Qe 30Qf 30Qg 30Qh 30Qi 30Qj 30Qk 30Ql 30Qm 30Qn 30Qo 30Qp 30Qq 30Qr 30Qs 30Qt 30Qu 30Qv 30Qw 30Qx 30Qy 30Qz 30Ra 30Rb 30Rc 30Rd 30Re 30Rf 30Rg 30Rh 30Ri 30Rj 30Rk 30Rl 30Rm 30Rn 30Ro 30Rp 30Rq 30Rr 30Rs 30Rt 30Ru 30Rv 30Rw 30Rx 30Ry 30Rz 30Sa 30Sb 30Sc 30Sd 30Se 30Sf 30Sg 30Sh 30Si 30Sj 30Sk 30Sl 30Sm 30Sn 30So 30Sp 30Sq 30Sr 30Ss 30St 30Su 30Sv 30Sw 30Sx 30Sy 30Sz 30Ta 30Tb 30Tc 30Td 30Te 30Tf 30Tg 30Th 30Ti 30Tj 30Tk 30Tl 30Tm 30Tn 30To 30Tp 30Tq 30Tr 30Ts 30Tt 30Tu 30Tv 30Tw 30Tx 30Ty 30Tz 30Ua 30Ub 30Uc 30Ud 30Ue 30Uf 30Ug 30Uh 30Ui 30Uj 30Uk 30Ul 30Um 30Un 30Uo 30Up 30Uq 30Ur 30Us 30Ut 30Uv 30Uw 30Ux 30Uy 30Uz 30Va 30Vb 30Vc 30Vd 30Ve 30Vf 30Vg 30Vh 30Vi 30Vj 30Vk 30Vl 30Vm 30Vn 30Vo 30Vp 30Vq 30Vr 30Vs 30Vt 30Vu 30Vv 30Vw 30Vx 30Vy 30Vz 30Wa 30Wb 30Wc 30Wd 30We 30Wf 30Wg 30Wh 30Wi 30Wj 30Wk 30Wl 30Wm 30Wn 30Wo 30Wp 30Wq 30Wr 30Ws 30Wt 30Wu 30Wv 30Ww 30Wx 30Wy 30Wz 30Xa 30Xb 30Xc 30Xd 30Xe 30Xf 30Xg 30Xh 30Xi 30Xj 30Xk 30Xl 30Xm 30Xn 30Xo 30Xp 30Xq 30Xr 30Xs 30Xt 30Xu 30Xv 30Xw 30Xx 30Xy 30Xz 30Ya 30Yb 30Yc 30Yd 30Ye 30Yf 30Yg 30Yh 30Yi 30Yj 30Yk 30Yl 30Ym 30Yn 30Yo 30Yp 30Yq 30Yr 30Ys 30Yt 30Yu 30Yv 30Yw 30Yx 30Yy 30Yz 30Za 30Zb 30Zc 30Zd 30Ze 30Zf 30Zg 30Zh 30Zi 30Zj 30Zk 30Zl 30Zm 30Zn 30Zo 30Zp 30Zq 30Zr 30Zs 30Zt 30Zu 30Zv 30Zw 30Zx 30Zy 30Zz
26. **Glaucopsyche (s.str.) alexis (Poda,1761)** (Lycaenidae) Synonym(s): *alexis Poda,1761*; *damaetas [Denis & Schiffermüller,1775]*; *#sublugens Strand,1909*; *#insulicola Turati & Fiori,1930*; *mironi Coutsis,1976*. Range (in codes): AF AL AM AT Ba Bn Cc AZ Ba BE BG BY CH Co CZ DE DK DZ EE ES Mu Mu18 FI FR GG GR Rd HU Ii IT KG Ku LT LU LV MK NO PL PT RO RU SE Si SK Sm So Sr TM TR Arr LB IQ UA Uk VI YU He IL Pa Hf IR Ab Jal Th 01 02 03 04 05 06 07 08 09 11 12 13 14 15 16 17 18 19 20 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47 48 49 50 51 52 56 58 60 61 62 65 66 68 69 70 71 73 74 76 80 01K 04D 04Db 04I 05A 06A 06B 06C 06K 06N 06P 06R 06Rd 06S 06V 06Z 13D 13Da 13E 13Ea 13F 13G 13Gb 13Gö 13Gg 13Gv 21N 21Nb 23I 25F 25Fa 25Fc 27C 27Cb 27F 29A 30B 30Ba 30Bg 30Db 30De 31K 31Ka 36D 36Da 36Dd 38H 38Hc 44I 44Ia 46F 46Fc 46Fd 46G 47B 47E 56D 56Db 56F 65D 65Dc 65De 65Df 65Dj 65Dk 65Dl 65Dq 65Dn 65Dm 65Dr 65Drb 65Dt 65E 65Eb 65Ec 65F 65Fb 65Fd 65Fe 65Ff 65Fg 65Fh 65Fi 65Fj 65Fk 65Fl 65Fm 65Fn 65Fo 65Fp 65Fq 65Fr 65Fs 65Ft 65Fu 65Fv 65Fw 65Fx 65Fy 65Fz 65G 65Gd 65Gf 65Gh 65Gi 65Gj 65Gk 65Gl 65Gm 65Gn 65Go 65Gp 65Gq 65Gr 65Gs 65Gt 65Gu 65Gv 65Gw 65Gx 65Gy 65Gz 65H 65Ha 65Hb 65Hc 65Hd 65He 65Hf 65Hg 65Hh 65Hi 65Hj 65Hk 65Hl 65Hm 65Hn 65Ho 65Hp 65Hq 65Hr 65Hs 65Ht 65Hu 65Hv 65Hw 65Hx 65Hy 65Hz 65I 65Ia 65Ib 65Ic 65Id 65Ie 65If 65Ig 65Ih 65Ii 65Ij 65Ik 65Il 65Im 65In 65Io 65Ip 65Iq 65Ir 65Is 65It 65Iu 65Iv 65Iw 65Ix 65Iy 65Iz 65J 65Ja 65Jb 65Jc 65Jd 65Je 65Jf 65Jg 65Jh 65Ji 65Jj 65Jk 65Jl 65Jm 65Jn 65Jo 65Jp 65Jq 65Jr 65Js 65Jt 65Ju 65Jv 65Jw 65Jx 65Jy 65Jz 65K 65Ka 65Kb 65Kc 65Kd 65Ke 65Kf 65Kg 65Kh 65Ki 65Kj 65Kk 65Kl 65Km 65Kn 65Ko 65Kp 65Kq 65Kr 65Ks 65Kt 65Ku 65Kv 65Kw 65Kx 65Ky 65Kz 65L 65La 65Lb 65Lc 65Ld 65Le 65Lf 65Lg 65Lh 65Li 65Lj 65Lk 65Ll 65Lm 65Ln 65Lo 65Lp 65Lq 65Lr 65Ls 65Lt 65Lu 65Lv 65Lw 65Lx 65Ly 65Lz 65M 65Ma 65Mb 65Mc 65Md 65Me 65Mf 65Mg 65Mh 65Mi 65Mj 65Mk 65Ml 65Mm 65Mn 65Mo 65Mp 65Mq 65Mr 65Ms 65Mt 65Mu 65Mv 65Mw 65Mx 65My 65Mz 65N 65Na 65Nb 65Nc 65Nd 65Ne 65Nf 65Ng 65Nh 65Ni 65Nj 65Nk 65Nl 65Nm 65Nn 65No 65Np 65Nq 65Nr 65Ns 65Nt 65Nu 65Nv 65Nw 65Nx 65Ny 65Nz 65O 65Oa 65Ob 65Oc 65Od 65Oe 65Of 65Og 65Oh 65Oi 65Oj 65Ok 65Ol 65Om 65On 65Oo 65Op 65Oq 65Or 65Os 65Ot 65Ou 65Ov 65Ow 65Ox 65Oy 65Oz 65P 65Pa 65Pb 65Pc 65Pd 65Pe 65Pf 65Pg 65Ph 65Pi 65Pj 65Pk 65Pl 65Pm 65Pn 65Po 65Pp 65Pq 65Pr 65Ps 65Pt 65Pu 65Pv 65Pw 65Px 65Py 65Pz 65Q 65Qa 65Qb 65Qc 65Qd 65Qe 65Qf 65Qg 65Qh 65Qi 65Qj 65Qk 65Ql 65Qm 65Qn 65Qo 65Qp 65Qq 65Qr 65Qs 65Qt 65Qu 65Qv 65Qw 65Qx 65Qy 65Qz 65R 65Ra 65Rb 65Rc 65Rd 65Re 65Rf 65Rg 65Rh 65Ri 65Rj 65Rk 65Rl 65Rm 65Rn 65Ro 65Rp 65Rq 65Rr 65Rs 65Rt 65Ru 65Rv 65Rw 65Rx 65Ry 65Rz 65S 65Sa 65Sb 65Sc 65Sd 65Se 65Sf 65Sg 65Sh 65Si 65Sj 65Sk 65Sl 65Sm 65Sn 65So 65Sp 65Sq 65Sr 65Ss 65St 65Su 65Sv 65Sw 65Sx 65Sy 65Sz 65T 65Ta 65Tb 65Tc 65Td 65Te 65Tf 65Tg 65Th 65Ti 65Tj 65Tk 65Tl 65Tm 65Tn 65To 65Tp 65Tq 65Tr 65Ts 65Tt 65Tu 65Tv 65Tw 65Tx 65Ty 65Tz 65U 65Ua 65Ub 65Uc 65Ud 65Ue 65Uf 65Ug 65Uh 65Ui 65Uj 65Uk 65Ul 65Um 65Un 65Uo 65Up 65Uq 65Ur 65Us 65Ut 65Uv 65Uw 65Ux 65Uy 65Uz 65V 65Va 65Vb 65Vc 65Vd 65Ve 65Vf 65Vg 65Vh 65Vi 65Vj 65Vk 65Vl 65Vm 65Vn 65Vo 65Vp 65Vq 65Vr 65Vs 65Vt 65Vu 65Vv 65Vw 65Vx 65Vy 65Vz 65W 65Wa 65Wb 65Wc 65Wd 65We 65Wf 65Wg 65Wh 65Wi 65Wj 65Wk 65Wl 65Wm 65Wn 65Wo 65Wp 65Wq 65Wr 65Ws 65Wt 65Wu 65Wv 65Ww 65Wx 65Wy 65Wz 65X 65Xa 65Xb 65Xc 65Xd 65Xe 65Xf 65Xg 65Xh 65Xi 65Xj 65Xk 65Xl 65Xm 65Xn 65Xo 65Xp 65Xq 65Xr 65Xs 65Xt 65Xu 65Xv 65Xw 65Xx 65Xy 65Xz 65Y 65Ya 65Yb 65Yc 65Yd 65Ye 65Yf 65Yg 65Yh 65Yi 65Yj 65Yk 65Yl 65Ym 65Yn 65Yo 65Yp 65Yq 65Yr 65Ys 65Yt 65Yu 65Yv 65Yw 65Yx 65Yy 65Yz 65Z 65Za 65Zb 65Zc 65Zd 65Ze 65Zf 65Zg 65Zh 65Zi 65Zj 65Zk 65Zl 65Zm 65Zn 65Zo 65Zp 65Zq 65Zr 65Zs 65Zt 65Zu 65Zv 65Zw 65Zx 65Zy 65Zz

27. **Lycaena (Thersamonia) asabinus (Gerhard,[1850])** (Lycaenidae) Synonym(s): *#helius* Herrich-Schäffer,[1851]; *asabinus* Herrich-Schäffer,[1852]. Range (in codes): Cc GG IQ IR Ab Jal Qba LB TR 01 03 04 05 07 08 12 13 21 23 24 25 30 32 33 36 42 44 46 47 50 51 52 56 58 62 65 70 73 01K 05A 12A 12Ab 13A 13Ab 13Ac 13C 13Cd 13F 13G 23I 25F 25Fa 36D 36Da 44F 44Fb 46F 46Fc 46G 47B 56F 62E 65D 65Dk 65Do 65Dr 65Drb 65Dt 65Gv 65Gz 65F 65Fc 65Fd 65Fj 65Fp 65Fr 65Fx 65Fz 65K 65Kb 65Kl 65Kö 65Kz 65Kg 65N 65Np 65Np2 65Nr7 65Nm 73A 73Ad 73Ad2
28. **Lycaena (Thersamonia) kefersteinii (Gerhard,[1850])** (Lycaenidae) Synonym(s): *kefersteinii* Gerhard,[1850]; *phaeton* Freyer,[1850]; *#ochimus* Herrich-Schäffer,[1851]; *ochimus* Herrich-Schäffer,[1852]. Range (in codes): He IL LB TR IR Ab Khy Ak Sah Elb Th Cc GG Ru Smt Akh Sah Zj Mz 01 02 04 05 06 07 08 11 12 13 14 21 23 24 25 29 30 32 33 35 36 38 42 43 44 46 47 50 51 56 58 60 62 63 65 66 68 69 70 71 73 76 01K 02E 02Ec 04C 05A 06A 06Aa 06B 06K 06Kc 06P 06V 06Z 13F 13G 13Gv 14I 14Ib 23I 25E 25F 25Fa 25Fb 29A 30B 30Bg 30Bk 36D 38H 38Hc 46F 46Fc 46G 56F 58G 58Gj 65G 65Gc 65Gf 65Gn 65Gs 65D 65Dc 65Df 65Dk 65Dr 65Drb 65F 65Fc 65Fd 65Fe 65Fi 65Fp 65Fr 65Fz 65K 65Kb 65Kc 65Kl 65Km 65Kö 65Ks 65Ku 65Ky 65Ky1 65Kz 65M 65Md 65N 65Np 65Np2 65Nr7 65Nm 72E 72Eg 72Eh 76B
29. **Lycaena (Thersamonia) kurdistanicus (Riley,1921)** (Lycaenidae) Synonym(s): *kurdistanica* Riley,1921 Range (in codes): IR Ak Ab Sro Shf Jal Km IQ TR LB 13 30 56 65 72 73 13A 13Ab 13F 13G 13Gv 13Gw 13Gc 30Bb 30Bb 30D 30Du 56F 65D 65Dc1 65Dd 65Dda 65Dg 65Dh 65Dk 65Dr 65Drb 65Dn 65F 65Fd 65Fe 65Fk 65Fc 65Fj 65Fq 65Fx 65Ft 65Fp 65Fr 65Fü 65Fz 65G 65Gp 65Gs 65Gv 65Gz 65K 65Kb 65Kc 65Kg 65Kl 65Km 65Ks 65Ku 65Ky 65Ky1 65N 65Nb 65Nr2 65Nr4 65Nm 65M 65Md 72F 73D 73Df
30. **Lycaena (s.str.) phlaeas (Linnaeus,1761)** (Lycaenidae) Synonym(s): *phlaeas* Linnaeus,1761; *virgaureae* Fourcroy,1785 *nec* Linn.,1758; *eleus* Fabricius,1798; *aestivus* Zeller,1850; *schmidtii* Gerhard,1853 Range (in codes): Ad Ae AF AL AM Ao As At AT Aty AZ Ba BE BG BY CH Cm CN Co Cr CY CZ DE DK EE ES FI FR GB GG GR HU IE IL IN IQ IR IT JO KG Kgs KK Kmt Ku LB Ld LT LU LV MK MN MT NL NO PK PL PT Rd RO RU SA Sa SE Si SK Sm So Sr Sy Ti TJ Tk TM TR UA Ui Uk Vl YE YU Cw Dv Smt Mu18 Bn Cy LY H-W Sur Ssx Ken Ma DZ TN Pm Bk Ci Bl Ca Cp Sau Tar DsA Ax TrA KuA TeA Ket T-S Pes Mre Mus Krl JP US Cf UG ZR ET Md Mon Abt CA Msc Ab Ak B-A Bk Brz Bu By Es Fa Gh Gor Ha Hz Il Kaz Kd Kh Km Kz Lo Ma Mz Qz Se Ss Th Yz Zj Prj Us Pa Hf Sml Arr Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Tol Trg Val Vel Zg Zm Us Aks Cf Cnt Col Dw Ge Id Idp Ih Io Kan Knt Mai Mch Mis Rns Mon Mrl Msc Nca Ndk NMx Neb Nh Nje Ny Oh Ok Org Pns RDd Sdk Tnn Ut Vi Vr WVi We Wy Um Adu Bgd Cc Msw Qba 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 44 45 46 47 48 49 50 51 52 53 54 55 56 58 59 60 61 62 63 65 66 68 69 71 72 73 74 76 78 81 04D 04Db 05A 06B 06D 06G 06K 06P 06R 06Rd 06V 06Z 13A 13Ab 13Ac 13F 13F3 13G 13Ga 13Gö 13Gg 13Gv 13Gm 13Go 13Gs 13Gü 13Gy 13Gw 21N 21Nb 25F 25Fa 27C 27Cb 30B 30Bk 31K 31Ka 31M 33A 35T 35Td 36D 36Db 38H 38Hc 39C 44F 44Fb 45L 45La 46F 48A 48Aa 48Ak 48D 48F 48L 56F 60H 63D 65D 65Dc 65Dk 65Dm 65Do 65Dr 65Drb 65Dt 65Dw 65E 65Eb 65Ec 65F 65Fc 65Fd 65Fe 65Fg 65Fn 65Fl 65Fj 65Fi 65Fq 65Fp 65F3 65Fu 65Ft 65Fx 65Fz 65G 65Ga 65Ge 65Gp 65Gn 65K 65Kl 65Km 65Kö 65Ks 65Kb 65Ky 65Ky1 65N 65Nc 65Nr2 65Nm 66A 73D 73Da 73Db 73Df 76A 76Ac 76Ad 76B 76Bf 76Bh 76Bj 76C 76D 76Db 78D 78Da
31. **Plebejus (Kretania) carmon (Gerhard,[1851])** (Lycaenidae) Synonym(s): *carmon* Gerhard,[1851, November]; *euryphilus* Freyer,[1851,December]. Range (in codes): AM AZ Cc Arr GG Smt Akh GR Sms IL Pa IR LB RU Kr SY TR 01 02 03 04 05 06 07 08 12 13 14 16 18 19 21 23 24 25 26 27 28 29 30 31 32 33 35 36 38 42 44 46 47 48 49 50 51 56 58 60 62 63 64 65 66 69 70 71 72 73 74 76 04D 04Db 05A 06B 06C 06D 06K 06R 06Rd 06V 06Z 13A 13Ac 13Ad 13B 13Ba 13C 13Cd 13G 13Gv 13Gw 21N 21Nb 24E 24Ea 25F 25Fa 25Fb 25Fc 27C 30B 30Bb 30Bk 56F 63D 65D 65Dc 65Dd 65Dda 65Di 65Do 65E 65Eb 65F 65Fc 65Fg 65Fh 65Fe 65Fm 65Fj 65Fü 65Fp 65Fz 65G 65Gl 65Gp 65Gm 65Gu 65Gz 65K 65Kg 65Kb 65Kc 65Kl 65Kö 65Kü 65N 65Nb 65Np2 65Np7 65Nr3 65Nr6 65Nm 66A 72E 72Eb 72Ec 72Eh 72Ei 72Ek 76C 76D 76Da 76Dc
32. **Plebejus (Plebejides) zephyrinus (Christoph,1884)** (Lycaenidae) Synonym(s): *zephyrinus* Christoph,1884 Range (in codes): TR Cc AZ Nv Ord GG IQ IR KG Kp TM Sau Mn Ak Ab Elb Mz Lo Fa Shr RU T-S Ax Fe UZ 13 30 56 65 72 73 76 13B 13Ba 13D 13Da 13E 13Ea 13G 13Ga 13Gv 13Gw 30B 30Bb 30Bk 56F 65D 65Dc 65Dd 65Dda 65Do 65Df 65Dj 65Dk 65Dl 65Dq 65Dp 65Dm 65G 65Ge 65Gt 65F 65Fb 65Fc 65Fd 65Fm 65Fg 65Fh 65Fe 65Fp 65Fq 65Fs 65Fz 65Fl 65K 65Kl 65Kz 65Kg 65Ky 65Ky1 65M 65Md 65N 65Np 65Np2 65Np7 65Nr2 65Nr3 65Nm 72E 72Eh 76C 76D 76Da
33. **Polyommatus (Albulina (Plebejidea)) loewii (Zeller,1847)** (Lycaenidae) Synonym(s): *loewii* Zeller,1847; *empyrea* Gerhard,[1851]; *gigas* Staudinger,1871; *#robusta* Turati & Fiori,1930; *germanicae* Pfeiffer,1932; *dzhegamati* Sheljuzhko,1934. Range (in codes): Nwf Ci Bl Chm Bm Kab AF Cc AM AZ EG GG Smt Akh GR IL IQ IR Ab Ak Msw Zj By Fa Elb Th JO Kc KG KK LB Nf Nj OM PK Rd RU SA SY TJ TM TR Ld 01 02 03 04 05 06 07 08 12 13 14 15 18 21 24 25 26 27 29 30 32 33 35 36 37 38 40 42 43 44 46 47 48 49 50 51 53 56 58 60 62 63 65 66 69 70 71 72 73 75 76 78 80 04D 04Db 05A 06C 06G 06K 13B 13Ba 13G 13Gb 13Gv 13Gc 13Gw 25F 25Fa 25Fb 25Fc 27C 27Cb 30B 30Bk 30Bo 46F 48A 48Ak 48D 56F 58G 58Rb 63D 65D 65Dc 65Dc 65Dc1 65Dl 65Dlc 65Dp 65Do 65G 65Ge 65Gp 65Gl 65E 65Ea 65Eb 65F 65Fc 65Fg 65Fh 65Fj 65Fe 65Fn 65Fm 65Fp 65Fü 65Ft 65Fx 65Fc 65Fz 65K 65Kc 65Kö 65Kg 65Kl 65Kö 65Kü 65Kz 65N 65Nb 65Np 65Nr3 65Nr4 65Nm 66A 72E 72Eh 76C 76D 76Da 78D 78Da
34. **Polyommatus (Aricia (s.str.)) agestis ([Denis & Schiffermüller],1775)** (Lycaenidae) Synonym(s): *medon* Hufnagel,1766 *nec* Linn.,1763; *alexis* Rottentburg,1775 *nec* Poda,1761; *agestis* [Denis & Schiffermüller],1775; *astrarche* Bergsträßer,[1779]. Range (in codes): AL AM Ao At AT AZ Ba BE BG B-H BY CH CN Co Cr CZ DE DK FR GB GG GR ES Mu HU HV IL IQ IR IT JO KG KK Ku LB LT LU MK MT NL PL Rd RO RU SE Si SK Sm So Sr SS SY Tk TM TR T-S UA Ui Uk Vl YU Cw Dv Smt H-W Sur Ssx Ken LAT Wn Sau Tar DsA TrA Ax T-S PK Nwf Ci Mre Haz IN Kma Bl Sml Hp Ch CY Ab Sro Msw Qba Ak Elb Th Kp Fa Cc Arr 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 41 42 44 45 46 47 48 49 50 51 54 55 56 58 60 61 62 63 65 66 68 69 70 71 72 73 75 76 78 81 04D 04Db 05A 06A 06B 06C 06D 06G 06K 06N 06Nc 06R 06Rd 06S 06V 06Z 13A 13Ab 13D 13Da 13E 13Ea 13F 13F3 13G 13Gö 13Gg 13Gs 13Gw 21N 21Nb 25F 25Fa 27C 27Cb 30B 30Bk 39C 44F 44Fb 45L 45La 46F 46Fc 46Fd 48A 48Ak 48Ad 48Ai 48F 56F 63D 63E 65D 65Dj 65Dk 65Dq 65Dn 65Dr 65E 65Eb 65Ec 65Ed 65F 65Fd 65Fg 65Fh 65Fx 65Ft 65Fi 65Fz 65Fc

- 65G 65Ga 65Gh 65K 65Kl 65Km 65Ku 65N 65Nc 65Nl 65Np 65Np8 65Nm 65Nn 66A 70C 70Cb 72E 72Eb 72Ei 73A 73Ad 73D 73Db 76A 76Ac 76Ae 76E 76Ea 76D 76Da 76Dc 76Dg 78D
35. **Polyommatus (s.str. (Agrodiaetus (Actisia))) pseudactis (Forster,1960)** (Lycaenidae)
Synonym(s): *pseudactis* Forster,1960 Range (in codes): Cc AM Eri IR Gor Ab Khy IQ Ry TR Arr 01 03 04 08 24 25 29 30 31 36 38 42 44 46 49 50 51 58 62 65 66 69 76 30B 30Bd 30Bh 36D 46F 65A 65D 65Dp 65G 65Ge 65F 65Fe 65Fj 65Ft 65N 65Np8 65Nr6 65Nm 66A 76C 76D 76Da
36. **Polyommatus (s.str. (Agrodiaetus (Admetusia))) alcestis (Zerny,1932)** (Lycaenidae)
Synonym(s): *alcestis* Zerny,1932; *ahmadi* Carbonell,2001; *karacetinae* Lukhtanov & Dantchenko,2002. Range (in codes): IL He Pa Cc AM GG IQ IR Ab Ak Mrd Zj LB TR SY Bld 01 04 06 13 14 21 23 24 25 26 30 32 33 36 38 42 44 46 50 51 58 62 65 66 73 06K 06N 13G 13Gv 13Gw 25F 25Fa 30B 30Ba 30Bc 30Bd 30Bh 30Bg 30Bj 30D 30Dt 46F 65D 65Dc 65Do 65G 65Ge 65Fz 65K 65Kd 65Kg 65N 65Np 65Nm 73D 73Dg
37. **Polyommatus (s.str. (Agrodiaetus (Admetusia))) demavendi (Pfeiffer,1938)** (Lycaenidae)
Synonym(s): *demavendi* Pfeiffer,1938; *#demavendi de Lesse*,1960 Range (in codes): IR Ab Ak Qba Msw Lo Kd Mz Kh TR Cc AM 04 05 06 13 18 23 24 25 36 38 50 56 58 60 62 65 66 71 73 76 05A 06C 06K 06N 06R 06Rd 06Z 13G 13Gv 13Gw 56F 65D 65G 65Gd 65Gde 65Go 65Gm 65Gs 65Gq 65K 65Kg 65L 65N 65Np 65Nm 73D 73Db 76C
38. **Polyommatus (s.str. (Lysandra)) bellargus (Rottemburg,1775)** (Lycaenidae) Synonym(s): *bellargus* Rottemburg,1775; *thetis* Rottemburg,1775 *nec* Dru.,1773; *adonis* Denis & Schiffermüller,[1775]; *salacia* Bergsträßer,1779; *venilia* Bergsträßer,1779; *hyacinthus* Lewin,1795; *urania* Gerhard,[1851]; *persemagna* Verity,1937; *arentissima* Verity,1937; *arens* Verity,1937; *arentior* Verity,1937; *antearentior* Verity,1937; *parabellargus* Verity,1939; *shakla* Higgins,1958 Range (in codes): AL AM AT AZ Cc Arr BG B-H BL BY CH CZ DE EE ES Mu Mu18 FR GB GG GR HU HV IQ Hjo IR Ab LB IT LT LU LV MK PL PT RO RU Si SK Sm So Sr SS TR UA VI YU Cw Dv Smt H-W Sur Ssx Ken 01 02 03 04 05 06 07 08 11 12 13 14 15 16 18 19 20 21 23 24 25 26 27 28 29 30 32 33 34 36 37 38 39 41 42 43 44 46 49 50 51 52 53 55 56 58 60 61 62 65 66 68 69 70 71 72 73 74 75 76 78 80 04D 04Db 05A 06B 06G 06H 06K 06N 06P 06R 06Rd 06V 06Z 13C 13Cd 13D 13Da 13E 13Ea 14I 14Ib 21N 21Nb 25F 25Fa 25Fb 25Fc 38H 38Hc 44A 44Ab 46F 46Fc 46Fd 56F 65D 65Di 65Dh 65Dk 65Dr 65Drb 65Dq 65F 65Fe 65Fg 65Fh 65Fj 65Fm 65Fp 65Fz 65Ft 65Fu 65Fx 65F3 65G 65Gd 65Ge 65H 65Ha 65K 65Ka 65Kl 65Kö 65N 65Np 65Nm 66A 75F 75Fi 76A 76Ac 76C 76D 76Dd
39. **Polyommatus (s.str. (Plebicula)) amandus (Schneider,1792)** (Lycaenidae) Synonym(s): *icarius* Esper,1789 *nec* Rottemburg,1775; *amandus* Schneider,1792 Range (in codes): Lsb Bn At AL AM AT AZ Ba BG BY Cc CH CN CZ DE DK EE ES FI FR GG GR HU IQ IR Ak Ab Jal Elb Th IT KG KK LB LT LV NO PL RU SE Si SK Sm So Sr Tk TR T-S UA Ui Uk VI YU Aq Ch Bs Or Kg Pp Kw Ty Pw Om No Mn Sp Tk Aa Db Ax Kuz Sli Sau Tar Dsa Tra TeA T-S 01 02 03 04 05 06 07 08 10 11 12 13 14 16 17 18 19 21 23 24 25 27 28 29 30 31 32 33 34 35 36 38 42 44 46 47 48 49 50 51 52 53 56 58 60 62 65 66 69 70 71 72 73 74 75 76 78 80 05A 06B 06G 06K 06R 06Rd 06V 06Z 13G 13Gc 13Gt 13Gv 14I 14Ib 24E 24Ea 27C 30A 30Aa 30B 30Ba 30Bc 30Bd 30Bf 30Bk 30Bj 30C 30Cd 30D 30Da 30Dk 30Dt 38H 38Hc 46F 56F 65D 65Dc 65Dc 65Dda 65Df 65Dn 65Dt 65G 65Gd 65Ge 65Gv 65Gz 65F 65Fb 65Fc 65Fe 65Fn 65Fz 65K 65Kl 65N 65Np 65Ns 65Nm 66A 72E 72Ej 75F 76C 78D 78Da
40. **Polyommatus (s.str. (Sublysandra)) aedon (Christoph,1877)** (Lycaenidae) Synonym(s): *aedon* Christoph,1877 Range (in codes): IR Ab Khy Elb Th Ha TR Cc 04 08 13 24 25 29 36 49 53 62 65 69 76 04D 04Db 13A 13Ad 13G 13Gc 13Gt 13Gv 13Gw 65D 65Dd 65Dc 65F 65Fe 65Fz 65H 65K 65Kü 65N 65Nr3 65Nr4 65Nm
41. **Polyommatus (s.str. (Thersitesia)) thersites (Canterer,[1835])** (Lycaenidae) Synonym(s): *thersites* Canterer,[1835]; *chapmani* Ball,1914; *meridiana* Verity,1919. Range (in codes): Cc AZ Sms Kos AL AT Ba BE B-H BY CH CZ DE ES Mu FR GR HU HV IR Ak Ab Qba Elb Th IT KG KK LB MA MK MN PL PT Rd RO RU SK Sm So Sr SS SY TM TR UA YU Tra TeA T-S Dsa Tra Sau Sj GG Tbl 01 02 03 06 07 08 09 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 29 30 31 32 33 34 35 36 38 39 40 42 43 44 46 48 49 50 51 52 54 58 59 60 62 64 65 66 68 69 70 71 74 75 76 78 81 06A 06B 06C 06D 06G 06H 06K 06N 06P 06R 06Rd 06S 06V 06Z 13A 13Ab 13G 13Gv 30B 30Bk 38H 38Hc 39C 44O 44Oi 46F 58G 58Gj 58R 58Rb 65D 65Dd 65Dda 65E 65Ea 65G 65Gd 65Ge 65Go 65Gp 65Gm 65Gq 65F 65Fc 65Fg 65Fh 65Fi 65Fj 65Fx 65Fz 65K 65Kc 65Kg 65Kl 65N 65Np 65Nr6 65Nm 66A 76B 76Bf 76Bh 76D 76Da 76Dg 76E 76Ea
42. **Polyommatus (s.str.) icarus (Rottemburg,1775)** (Lycaenidae) Synonym(s): *argus* Poda,1761 *nec* Linn.,1758; *alexis* Scopoli,1763 *nec* Pda,1761; *thetis* Esper,1777 *nec* Dru.,1773; *icarus* Rottemburg,1775; *pampholyge* Bergsträßer,1779; *candybus* Bergsträßer,1779; *candiope* Bergsträßer,1779; *candaon* Bergsträßer,1779; *oceanus* Bergsträßer,1779; *fusciolus* Fourcroy,1785; *icarinus* Scriba,1795; *pusillus* Gerhard,1851; *neglectus* Stradomsky & Arzanov,1999 Range (in codes): Ae AF AL Ao AT Ba BE BG B-H BY CH CN Co Cr CY CZ DE DK DZ EE ES FI FR GB GR HU HV IE II IL IQ IR IT JO KG KK Ku LB LT LU LV MA MK MN MT NL NO PK PL PT Rd RO RU Sa SE Si SK Sm So Sr SS SY TJ TM TN TR T-S Tv UA Ui Uk Us UZ VI YU Cw Dv Smt H-W Sur Ssx Ken Mu Mu18 Bn At Kts Sau Tar Buc Bkb Mrk Ssn Ktm Nym Sb Dsa Tra Kua TeA Ax Ii Kuz Sli Bl Ci Nwf Kmt Sju Prj Pa Hf Cc Kc Pe Ir Irk Bc Arr Ab Sro Jal Shf Msw Swa Sgl Mdy Bt Nra 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 75 76 78 81 04D 04Db 05A 06A 06B 06C 06D 06E 06G 06H 06K 06N 06P 06R 06V 06Z 13A 13Ab 13Ad 13B 13Ba 13D 13Da 13E 13G 13Ga 13Gc 13Gv 13Gü 13Gy 13Gw 14I 14Ib 18F 21N 21Nb 27C 27Cb 30B 30Bb 30Bk 31K 31Ka 38H 38Hc 39C 45L 45La 46F 48A 48Aa 48Ad 48F 48L 48F 56F 56Fc 56Fi 58R 58Rb 63D 63E 65D 65Dd 65Dda 65Dj 65Dk 65Dr 65Drb 65Dm 65Do 65Dn 65E 65Ea 65Eb 65F 65Fc 65Fg 65Fe 65Fh 65Fj 65Fi 65Fm 65Fq 65Fr 65Fü 65Fu 65Fx 65Fi 65Fw 65Fz 65G 65Ga 65Ge 65Gd 65Gm 65Gn 65H 65Ha 65K 65Ka 65Kb 65Kc 65Kg 65Kl 65Ks 65Ks 65Kö 65Ku 65Ky 65Ky1 65M 65Mc 65Md 65N 65Ne 65Np 65Np2 65Np4 65Np7 65Nr3 65Ns 65Nm
43. **Pseudophilotes vicrama (Moore,1865)** (Lycaenidae) Synonym(s): *vicrama* Moore,1865 Range (in codes): AF AL At Bn AT Ba BG BY CY Ch Ci CN Cr CZ DE EE FI GR HU Ii IN IR Ab Ak Shf Elb Fa Kp IL Pa JO IQ IT KG Ld LT LV PK PL RO RU SK Sm So Sr Ti TM TR Cc GG Smt Akh UA Ui VI YU Uk Kt Ka Sp Sau Tar Dsa Tra Db Syr Tm Ku T-S 01 03 04 05 06 07 08 11 12 13 14 15 16 17 18 19 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 38 39 42 43 44 45 46 47 48 49 50 51 56 58 60 62 63 64 65 66 67 68 69 70 71 72 73 74 76 78 80 05A 06B 06G 06K 06P 06R 06Rd 06S 06V 06Z 13G 13Ga 13Gö 13Gg 13Gv 27C 35T 45L 45La 46F 46Fc 56F 58R 58Rb 63D 63E 65D

- 65Dc 65Dç 65Do 65F 65Fb 65Fd 65Fb 65Fç 65Fd 65Fe 65Fg 65Fl 65Fh 65Fq 65Fz 65K 65Kl 65Kz 65Kğ 65N 65Np 65Np2 65Nm 66A 72E 72Ei 73A 73Ad 73Ad2 76B 76Bf 76Bh 76C 76D 76Da 76Dg 78D 78Da
44. **Rubrapterus bavius (Eversmann,1832)** (Lycaenidae) Synonym(s): *bavius* Eversmann,1832 Range (in codes): Ba Ce Cm GR HU IL Pa Hf IR Ab Elb Mz KG LB MK RO RU Sm Sr SY TR Cc UA Uk VI 01 05 06 07 08 09 13 14 16 17 21 23 24 27 28 30 31 32 33 34 35 38 41 42 44 46 47 48 51 58 60 62 63 65 69 70 71 73 80 05A 06C 06G 06K 06N 06P 06R 06S 06V 13G 30B 30Bc 38H 38Hc 62E 62Eb 63N 63Na 65D 65Dç 65Dk 65Dm 65Dn 65F 65Fb 65Fç 65Fç 65Fz 65K 65Kb 65Kç 65Kd 65Kğ 65N 65Np4 65Nm 73D 73Dg
45. **Tomares callimachus (Eversmann,1848)** (Lycaenidae) Synonym(s): *callimachus* Eversmann,1848; *epiphania* Boisduval,1848; *#dentata* Staudinger,[1892] Range (in codes): Ce AZ Kir TR IQ IR Ab Elb Fa Ao RU Sr Uk VI Cm Syr Tm Gj Ind KK KG TrA GG Tbl Smt Akh 13 21 23 30 36 44 46 47 56 63 65 73 76 13F 13F35 13G 13Gv 21N 21Nb 23I 30A 30Ae 44L 47D 56D 56Dc 65D 65Dc 65Df 65Dh 65Dp 65Dq 65Dt 65Dn 65Dü 65Dy 65E 65Eb 65Ec 65F 65Fb 65Fd 65Fe 65Fg 65F3 65Fl 65F1 65Fz 65G 65Gf 65Gi 65K 65Kd 65Kğ 65Kk 65Kl 65Kz 65M 65Md 65N 65Nd 65Nc 65Nk 65Nn 65Np 65Np2 65Np4 65Nm 73D 73Da 76D 76Da 76B 76Bb 76D 76Dg
46. **Turanana endymion (Freyer,[1850])** (Lycaenidae) Synonym(s): *endymion* Freyer,[1850]; *#panagaea* Herrich-Schäffer,[1851]; *endymion* Gerhard,[1851]; *panagaea* Herrich-Schäffer,[1852] Range (in codes): Ce GG IL Pa He IR LB TR IQ Zj Ab Ak Elb Kp Se Ha TM Ke 01 02 03 04 05 06 07 08 13 14 15 21 23 24 25 26 29 30 31 32 33 35 36 38 42 44 46 47 50 51 52 55 56 58 60 62 65 66 69 70 71 72 73 76 04D 04Db 05A 06C 06K 06R 06V 06Z 13C 13Cd 13E 13Ea 13G 13Gç 13Gv 13Gw 13Gz 46F 55H 56F 65D 65Dç 65Dd 65Dda 65Df 65Dm 65Do 65Dw 65G 65Ge 65Gd 65Gt 65F 65Fç 65Fe 65Fg 65Fj 65Fq 65Fw 65Fz 65K 65Kc 65Kz 65Kğ 65N 65Nr4 65Nm 66A 72E 72Ec 72Ej 72Ek

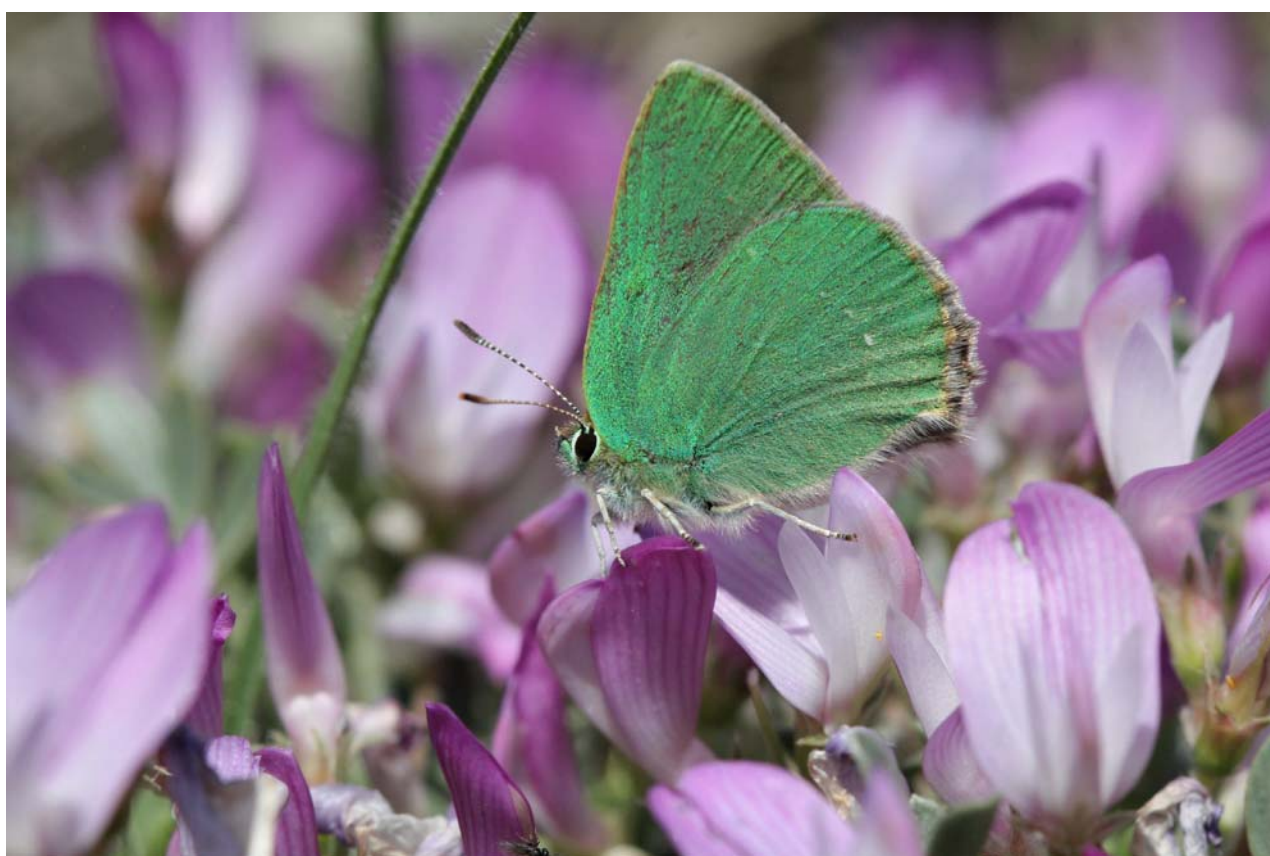


Fig. 22 - *Callophrys danchenkoi* (Lycaenidae) on *Onobrychis cornuta* (Fabaceae). Previously known as *suaveola*. This species is common in *Astragalus* steppe of the mount, sympatric with *C. paulae*; the latter is rather rare in the area. Gören Mt. 65Np1, 11 5 2014, M.Kemal (Cesa)



Fig. 23 – *Cupido osiris* (Lycaenidae), a female laying egg on the flower of *Onobrychis armeniaca* (Fabaceae). Gören Mt. 65Np, 30 5 2014, M.Kemal (Cesa)



Fig. 24 – *Glaucopsyche alexis* (Lycaenidae), in copula. Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)



Fig. 25 - *Lycaena asabinus* (*Lycaenidae*), basking. Gören Mt. 1950m (65Np2), 11 5 2014, M. Kemal (Cesa)



Fig. 26 - *Lycaena asabinus* (*Lycaenidae*), basking. Gören Mt. 65Np, 10 5 2014, M. Kemal (Cesa)



Fig. 27 - *Lycaena kefersteinii* (Lycaenidae), during feeding on flowers (Brassicaceae). Gören Mt. 65Np2, 16 5 2014, M. Kemal (Cesa)



Fig. 28 - *Lycaena kefersteinii* (Lycaenidae), basking. Gören Mt. 65Np, 15 5 2014, M. Kemal (Cesa)



Fig. 29 - *Lycaena kurdistanicus* (Lycaenidae), at rest. Gören Mt. 65Np1, 11 5 2014, M. Kemal (Cesa)



Fig. 30 - *Plebejus (Kretania) carmon* (Lycaenidae), at rest. Gören Mt. 65Np8, 15 6 2014, M. Kemal (Cesa)



Fig. 31 - *Plebejus (Plebejidea) loewii* (Lycaenidae). Gören Mt. 65Np, 15 6 2014, M. Kemal (Cesa)



Fig. 32 - *Polyommatus agestis* (Lycaenidae), at rest. Gören Mt. 65Np, 23 4 2014, M. Kemal (Cesa)



Fig. 33 - *Polyommatus agestis* (Lycaenidae), at rest. Gören Mt. 65Np, 10 5 2014, M. Kemal (Cesa)



Fig. 34 - *Polyommatus icarus* (Lycaenidae), at rest. Gören Mt. 65Np, 10 5 2014, M. Kemal (Cesa)



Fig. 35 - *Polyommatus amandus* (Lycaenidae), at rest. Gören Mt. 65Np, 21 5 2014, M. Kemal (Cesa)



Fig. 36 - *Polyommatus bellargus* (Lycaenidae), at rest. Gören Mt. 65Np, 21 5 2014, M. Kemal (Cesa)



Fig. 37 - *Polyommatus bellargus* (Lycaenidae), a male during feeding on nectar of *Onobrychis armeniaca* (Fabaceae). Gören Mt. 65Np, 3 6 2014, M. Kemal (Cesa)

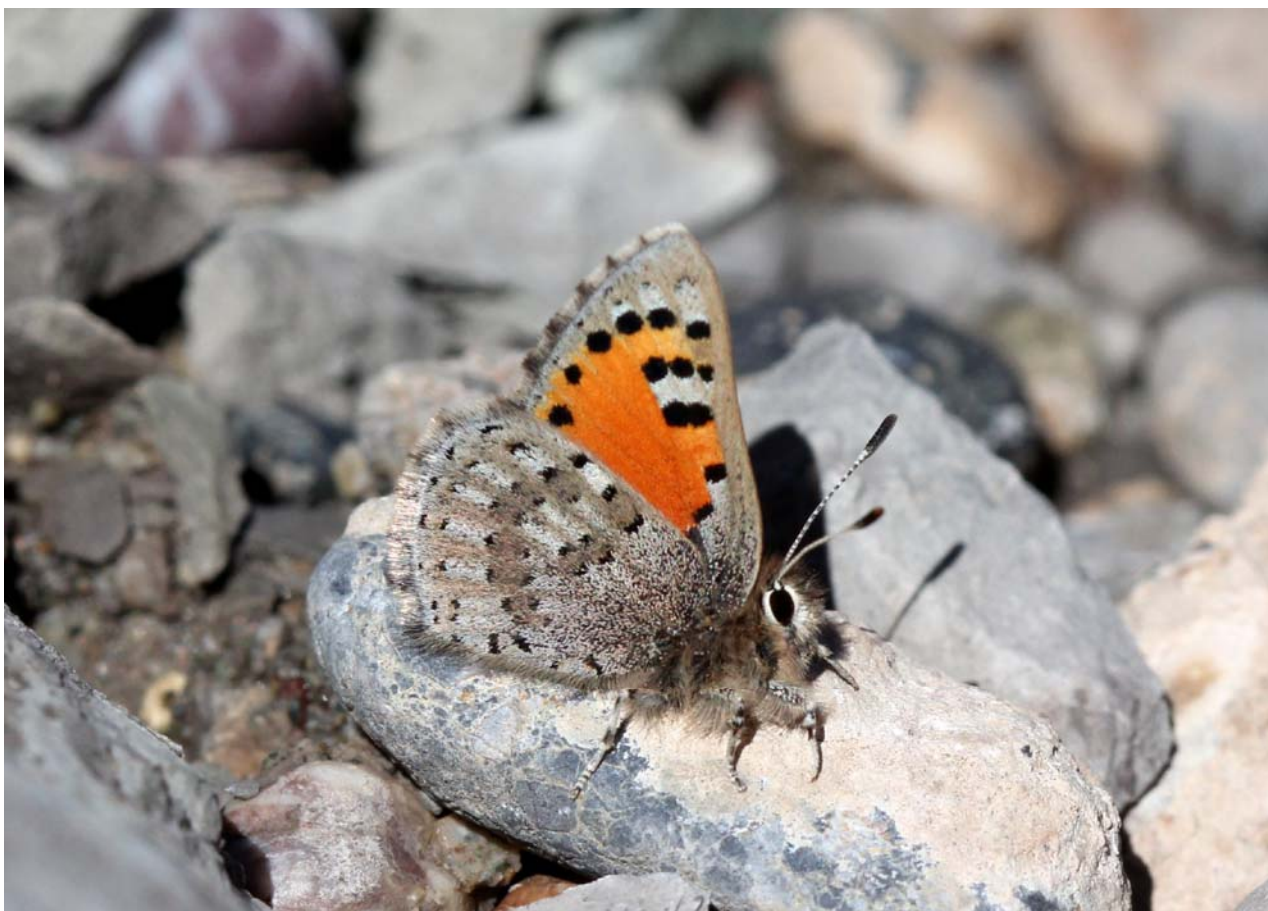


Fig. 38 - *Tomares callimachus* (Lycaenidae), basking in early spring. Gören Mt. 65Nn, 23 4 2014, M.Kemal (Cesa)



Fig. 39 - A pair of *Tomares callimachus* (Lycaenidae), in copula. Gören Mt. 65Np, 24 4 2014, M.Kemal (Cesa)



Fig. 40 - Territorial behaviour of *Tomares callimachus*. Many times, he disturbed *Lycaena kefersteinii* within the area of his home range. This behaviour hasnot been reported in the literature so far. Gören Mt. 65Np2, 11 5 2014, M. Kemal (Cesa)



Fig. 41 – Additional image on the territorial behaviour of *Tomares callimachus* over *Lycaena kefersteinii*. Gören Mt. 65Np2, 11 5 2014, M.Kemal (Cesa)



Fig. 42 – Additional image on the territorial behaviour of *Tomares callimachus* over *Lycaena kefersteinii*. Gören Mt. 65Np2, 11 5 2014, M.Kemal (Cesa)

Papilionidae (4)

The family is represented here by four species. Surprisingly, *Iphiclides podalirius* is not recorded here. *Zerynthia deyrollei* is the commonest species in the area. It is observed frequently in or around cultivated places, where its food-plant *Aristolochia* grows, up to 2000m high. between May and June. *Archon apollinaris* is restricted in April only at the same places. at 1750m, *Papilio machaon* was observed once on the wing. A worn female of *Papilio alexanor* was captured at 2200m of the mount, where numerous *Apiaceae* grow.

47. **Archon apollinaris (Staudinger,[1892])** (Papilionidae) Synonym(s): *apollinaris* Staudinger,[1892]; *pallidior* Spuler,1892; *#mardina* Stichel,1907 Range (in codes): Dk IQ Mos IR Lo Km TR 13 21 23 24 30 47 49 56 62 65 73 13F 13F33 13F35 21N 21Nb 30A 30Aa 47C 56F 56Fa 56Fb 56Fg 56G 62G 65D 65Dh 65Dk 65Dl 65Dn 65Dp 65Dr 65Drb 65F 65F1 65F1 65Ff 65Fg 65Fy 65Fz 65K 65Ka 65Kb 65Kd 65Kg 65Nc 65Nc 65Kl 65N 65Nb 65Nk 65No 65Np 65Nm 73A 73Ae 73Af 73Ak 73D 73Da 73Db 73F
48. **Papilio (s.str. (Alexanoria)) alexanor Esper,[1800]** (Papilionidae) Synonym(s): *polidamas* De Prunner,1787 nec Linn.,1758; *alexanor* Esper,[1800]; *polychaon* Loche,1801; *destelensis* Nel & Chauliac,1983. Range (in codes): AF AL B-H FR GR HV IL IQ AZ Nv Ord Cc Arr IR Ab Ak Zj Fa Elb Th IT JO KG KK LB Ftr Aiz MK Si TJ TM TR UZ SS B-H HV Syr Tm PK Bl T-S 01 02 03 04 05 06 07 08 10 16 17 25 30 31 32 33 35 36 42 43 44 45 46 47 48 52 58 60 62 65 69 70 71 73 74 76 04B 04C 04Ca 05A 06K 06R 31N 31M 45L 45La 65D 65Dl 65F 65Fd 65K 65N 65Nr4 65Nm 76B
49. **Papilio (s.str.) machaon Linnaeus,1758** (Papilionidae) Synonym(s): *machaon* Linnaeus,1758; *reginae* Retzius,1783; *umbellatarum* Fabricius,1807; *aurantiaca* Speyer,1858. Range (in codes): AF AL AM Ao At AT BE BH B-H BY Ch CH CN Co Cr CY CZ DE DK DZ EE ES Mu FI FR GB GG GR HV Ii IN IQ IR Ir IT KG Kmt Kp Kr Krl Ku KW LB LT LU LV MA MD MK MN MT NL NO OM PK PL PT QA Rd RU Sa SA SE Sh Si SK Sm So Sr SS SY TM TN TR UA Ui Uk US UZ VI Ya Ass BG BT Chb Hkk JP Kis Kr Mc MM NP Pja Shn SI Teb Ti Vv Yu Sjl Trb Mst Slv Rg Rtc Mt Ko JO Kts Tm KK KP KR Um Bn Cho Ax Dj DsA Ii Ket KuA Sau Sem Tar TeA Tk TrA T-S Ab Ak Elb Th Ss Ke Fa Ba Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs CA Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Lug Mdr Mlg Mu18 Nrr Ore Pv Ple Rio Seg Sma Sor Svl Ter Tol Trg Val Vcl Zg Zm Bei Bmm YU RO HU AZ TJ Zj Als Yuk BCo Abt Ssk Mnt On Qb Qg US MX Arz Cf Col Id Kan Mch Mon NDk NMx Ne Neb Org SDk Ut Ws Wy TW Gn IL Pa Hf Shn Yu VN Ton Ass Cc Cp Haz Mre Ci Bt Skd Kh 01 02 03 05 06 07 08 09 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47 48 50 51 56 58 59 60 62 63 65 66 68 69 70 71 73 74 75 76 77 78 80 05A 06B 06C 06K 06N 06R 06Rd 06S 06V 06Z 13A 13Aa 13Ab 13B 13Bb 13G 13Gk 13Go 13Gc 13Gv 13Gw 18F 24E 24Ea 27C 30B 30Bb 30Bk 30D 30Df 30Du 30Dt 31K 31Ka 39C 46F 46Fc 48A 48Aa 48Ak 48D 48F 48L 56F 56Fg 56Fs 63D 63E 65D 65Dc 65Dc 65Dk 65Do 65Drd 65Dw 65G 65Gm 65Gs 65F 65Fc 65Fe 65Fs 65Fp 65Fü 65Fw 65Fz 65K 65Kg 65Kr 65Ks 65N 65Nc 65Np 65Nm 66A 75F 75Fc 76B 76Bb 76D 76Da 76Dd 76Dg 78D 78Da 80E 80E
50. **Zerynthia (Allancastris) deyrollei (Oberthür,1869)** (Papilionidae) Synonym(s): *deyrollei* Oberthür,1869; *eisneri* Bernardi,1970; *lycaoniae* Eisner & Wagener,1974; *#flavomaculata* Verity,1905; *#ochracea* Verity,1905; *#obscurior* Verity,1905; *#subflava* Schultz,1908; *#deflexa* Schultz,1908; *#charis* Schultz,1908; *#separata* Sheljuzhko,1927. Range (in codes): He IL Js Pa IQ Mos Bgd Slh Tkr IR Ab Oru Jal Kd Km JO LB Bsa Baa Aiz Zah Bmd SY Dms TR 01 02 03 05 06 07 12 13 14 15 18 19 21 23 24 25 26 27 28 29 30 31 32 33 37 38 42 43 44 46 47 49 50 51 56 58 60 62 63 64 65 66 68 70 71 73 80 05A 06A 06B 06D 06G 06H 06K 06P 06R 06Rd 06S 06V 06Z 13B 13Ba 13F 13F35 13G 13Ga 21N 21Nb 25F 25Fa 27C 27Cb 31K 31Ka 46F 46Fc 56F 56Fa 56F1 56Fg 56Fh 56Fy 63D 65D 65Dk 65Dl 65Dm 65Dn 65Dr 65Drb 65Dp 65F 65Fe 65Fb 65Fd 65Ff 65Fg 65Fh 65Fi 65Fk 65Fl 65Fq 65Fm 65K 65Ka 65Kd 65Kl 65Kö 65N 65Nc 65Np 65Np2 65Nm 66A 73A 73Ae 73Ak 73D 73Da 73Db 80E 80Eb



Fig. 43 – *Archon apollinaris* (Papilionidae), Gören Mt. Özyurt 1880m (65No), 23 4 2014, M.Kemal (Cesa)



Fig. 44 – *Archon apollinaris* (Papilionidae), full grown caterpillar among *Aristolochia bottae* leaves, Gören Mt. 1740m (65Np), 10 5 2014, M.Kemal (Cesa)



Fig. 45 – *Zerynthia deyrollei* (Papilionidae), a female feeding on the flower of *Geranium*. One generation in spring until early summer. Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)

Pieridae (5)

This family is poorly represented here by five species. Even in cultivated areas and gardens, neither *Pieris* species (except *ergane*), nor *Anthocharis* were seen. No *Aporia crataegi* specimen was found, even if *Crataegus* bushes exist in the vicinity.

51. **Colias (Eriocolias) crocea (Fourcroy,1785)** (Pieridae) Synonym(s): *crocea* Fourcroy,1785; *pyrenaica* Groum-Grshimailo,1893. Range (in codes): AL AM Ao AT AZ Az Ba BE BG B-H BY CH Co Cr CY CZ DE DK DZ EG ES FI FR GG GR HG HV IQ IR IT Kb Kr LB LT LU LY LV MA MK MT NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr SS SY Teb TR TN UA VI YU KG Aq Or Uk VI Bs Cb Kt Rk Cw Dv Smt H-W Sur Ssx Ken Mt Sof Ril Syr Cy Rg Rtc Bgz Vrn Slv Sjn Trb Mkl Mst Ko JO He IL Ab Ak Fa Act Alc Alv Alm Atu Av Bad Bar Bgs C-L C-M CRe Cas Ccs Cd Cor Cue Cz Ct Gna Gp Grn Gu Hue Hv Jae Lda Leo Mdr Mlg Mu Mu18 Nrr Ore Pv Lug Ple Rio San Seg Sma Sor Svl Ter Trg Val Vcl Zg Zm Pa Hf SA TD SD Agh Cc Arr Ab Khy Oru Jal Ak Shf Msw Qba Sro Mz 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 65 66 68 69 70 71 72 73 74 75 76 77 78 79 80 81 04D 04Db 05A 06B 06C 06D 06G 06H 06K 06N 06P 06R 06Rb 06Rd 06V 06Z 12A 12Ab 13A 13Ab 13Ac 13B 13Ba 13C 13Cd 13D 13Da 13E 13Ea 13G 13Ga 13Gö 13Gg 13Gk 13Gs 13Gü 13Gv 13Gy 13Gw 13Gz 21N 21Nb 21Nh 25F 25Fa 25Fb 25Fc 27C 27Cb 30B 30Bb 30Bk 30D 30Df 31K 31Ka 31L 31La 31N 35T 35Te 36D 36Db 38H 38He 39C 44F 44Fb 45L 45La 46F 46Fc 46Fe 48A 48Aa 48Ak 48F 56D 56De 56Dh 56Dg 56F 58R 58Rb 63D 63E 65C 65D 65Da 65De 65Dç 65Dç1 65Dd 65Dda 65Df 65Dk 65Dl 65Dlc 65Dn 65Do 65Dr 65Drb 65Dt 65Dv 65E 65Eb 65Ec 65Eç 65F 65Fb 65Fc 65Fç 65Fd 65Fe 65Fg 65Fh 65Fi 65Fj 65Fm 65Ft 65Fx 65Fy 65Fw 65Fz 65G 65Ga 65Gg 65Gi 65Gl 65Gn 65Go 65Gs 65I 65K 65Kl 65Ka 65Kş 65Ku 65Kz 65Kg 65Kw 65Ky 65Ky1 65M 65Mb 65Mc 65Md 65N 65Nb 65Nc 65Nç 65Nk 65Np 65Np1 65Np7 65Nr6 65Nr7 65Ns 65Nm 73A 73Ad 73Ad2 73D 73Da 73Db 73Df
52. **Gonepteryx (s.str.) rhamni (Linnaeus,1758)** (Pieridae) Synonym(s): *rhamni* Linnaeus,1758; *gravesi* Huggins,1956. Range (in codes): AL Cc AM Asr AT At AZ Ba BE BG B-H BI BY CH Cls CN Ui Co CZ DE DK DZ ES FI FR GB Gg GG GR HU HV IE IN IQ IR IT Kb KG KK Kp Kr Ku LB Ld LT LU LV MA MK NL NO NP Nwf PK Ci PL PT RO RU Rw Sa SE Si SK Sm So Sr SS SY Sz Teb TJ Tm TN TR UA Uk UZ VI YU Zi Gj Aq T-S Mu Bn Tk Aa Sp Mn At No To Om Ty Kg Cb Kw Pw Ka Sb Tt So Sau Tar DsA TrA Cw Dv Smt H-W Sur Ssx Ken Mt Ko Sof Rtc Slv Bgz Sjn Trb LB Kts MM Ab Ak Msw Gh Mz Elb Th Arr Kh GlS Koh Swa Sgl 01 03 04 05 06 07 08 10 11 12 13 14 15 16 17 18 19 24 25 26 30 31 32 33 34 35 36 38 39 42 43 44 46 47 48 49 50 51 52 55 56 60 62 65 66 67 69 71 73 75 76 81 05A 06A 06C 06G 06H 06R 06Rb 13F 13F33 13G 13Gs 13Gw 24E 24Ea 25F 25Fa 25Fb 25Fc 30B 30Bb

- 30Bk 30D 30Df 56D 56Dc 65D 65Da 65Dk 65Dl 65Dlc 65Dn 65Dm 65Do 65Dt 65F 65F1 65Fd 65Fj 65Fq 65Fz 65K 65Kb 65Kl 65Km 65Ks 65N 65Nc 65Ng 65No 65Np 65Nm 66A 75F 75Fi 76D 76Da
53. **Leptidea duponcheli (Staudinger,1871)** (Pieridae) Synonym(s): *duponcheli* Staudinger,1871; *#dupncheli* Nazari,2003 Range (in codes): AL BG B-H ES FR GR MK TR Cc LB YU Mt Ko Slv IQ IR Ab Ak Elb Th Fa 01 03 04 05 06 07 08 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 29 30 31 32 33 34 35 36 37 38 40 41 42 43 44 45 46 48 49 50 51 53 56 58 59 60 62 64 65 66 67 69 70 71 73 74 76 78 05A 06B 06C 06G 06K 06N 06P 06R 06Rd 06V 06Z 13B 13Ba 13D 13Da 13G 13Gw 13Gs 18F 25F 25Fa 30B 30Bb 30Bk 46F 56F 58R 58Rb 65D 65Dc 65Dc 65Df 65Dh 65Dk 65Dl 65Dn 65Dr 65E 65Eb 65Ec 65F 65Fc 65Fç 65Fd 65Fe 65Fg 65Fh 65Fq 65Fy 65F3 65Fz 65G 65K 65Ka 65Kb 65Kc 65Kg 65Kl 65N 65Np 65Np1 65Np2 65Nr7 65Nm 66A 76C 76D 76Da 78D 78Da
54. **Pieris (Artogeia) ergane (Geyer,[1828])** (Pieridae) Synonym(s): *ergane* Geyer,[1828]; *narcaea* Freyer,[1828]. Range (in codes): AL Cc Arr AM AT AZ BG B-H Cr ES FR GG GR HU HV IQ Hjo IR Ab Sro Msw Ak Elb Th Kdj IT LB MK RO SS TR YU Mt Ko Mst Trb Ple Cue Hue Lda Gna 01 02 03 04 05 06 07 08 12 13 14 15 16 18 21 23 24 25 26 28 29 30 31 32 33 36 38 42 43 44 46 47 49 50 51 52 56 58 60 62 63 65 66 69 71 73 74 76 04D 04Db 05A 06M 06R 06Rd 06Z 13A 13Ab 13F 13F35 13G 13Gç 13Gö 13Gğ 13Gv 13Gw 25F 25Fa 25Fb 25Fc 30B 30Bk 30Bb 31K 31Ka 44F 44Fb 46F 56F 63D 65D 65Da 65Dc 65Dç 65Dd 65Dda 65Df 65Dh 65Dk 65Dl 65Dlc 65Do 65Dp 65E 65Eb 65Ec 65F 65Fç 65Fd 65Fe 65Fg 65Fh 65Fj 65F1 65Fm 65Fq 65Fr 65Fs 65Ft 65Fu 65F3 65Fw 65Fz 65G 65Gf 65Gh 65Gi 65Gl 65Go 65Gp 65K 65Kb 65Kg 65Kc 65Kl 65Km 65Kq 65Kö 65Kü 65Kw 65N 65Np 65Nm 66A 73A 73Ad 73Ad2 76C 76D 76Da 76Dg
55. **Pontia edusa (Fabricius,1777)** (Pieridae) Synonym(s): *edusa* Fabricius,1777; *bellidice* Ochsenheimer,1808; *persica* Bienert,1869; *#nitida* Verity,[1908]. Range (in codes): Aa Ae Aq Bn At Kts Aty Ax BG Bs Ch CN CY DE Dg Dj GG Gj GR IQ IR IT Kg KG KK Kp Kt KuA Ky Mg MK Mn No NrK Om Or Pp Rd Rk RU Sb Sem Sm Sp SS TeA TJ Tk Syr Tm TM TR TrA Ty Ui Uk UZ YU Ze SY Um Ku DsA T-S Ab Ak Ahw Ar Ara B-A Bk Brz Bu By Dzf Es Fa Gh Gor Adu Sju Ha Hz Il Kaz Kd Kh Km Kz Lo Ma Mz Qz Se Ss Th Yz Zj Ab Jal Sro Msw Ak Agh Cc 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 38 39 40 41 42 43 44 46 47 48 49 50 51 52 53 54 55 56 58 59 60 61 62 63 65 66 67 68 69 70 71 73 74 75 76 77 78 79 80 81 04D 04Db 05A 06B 06D 06H 06K 06N 06P 06R 06Rd 06V 06Z 13A 13Ac 13C 13Cd 13F 13F33 13G 13Gö 13Gğ 13Gv 13Gw 18F 21N 21Nb 25F 25Fa 25Fb 25Fc 27C 27Cb 30B 30Bk 30Bb 30D 30Du 39C 44F 44Fb 46D 46Da 48A 48Aa 48Ak 48Ah 48F 56F 58R 58Rb 63D 63E 65D 65Dc 65Dd 65Dda 65Df 65Dl 65Dlc 65Do 65Dp 65Dq 65Dr 65Drb 65E 65Eb 65Ec 65Ec 65F 65Fç 65Fb 65Fç 65Fe 65Fh 65Fg 65Fn 65Fp 65Fr 65Ft 65Fu 65Fy 65Fw 65Fz 65F3 65G 65Gf 65Gm 65Gn 65Go 65Gp 65Gs 65K 65Ka 65Kb 65Kg 65Kç 65Kl 65Ks 65Kp 65Ku 65Kw 65M 65Mb 65Mc 65Md 65N 65Nk 65No 65Np 65Np1 65Nş 65Nm 66A 73A 73Ad 73D 73Df 75F 75Fc 76A 76Ac 76B 76Ba 76Bb 76C 76D 76Da 76Db 76E 76Ea 78D 78Da 80E 80Eb



Fig. 46 - *Leptidea duponcheli* (Pieridae), a male at rest on a flower. Gören Mt. 65Np, 4 5 2014, M.Kemal (Cesa)

Satyridae (10)

This family is represented by ten species for the time being. In late summer, additional species in the genera *Chazara*, *Hyponephele*, *Pseudochazara* are expected.

56. **Chazara (Neochazara) anthe (Hoffmannsegg,1804)** (Satyridae) **Synonym(s):** *anthe Hoffmannsegg,1804; persephone Hübner,1805; anthe Ochsenheimer,1807.* **Range (in codes):** Cc AM Ao Aq At AZ Ba Cm GG Gj IQ IR Ab Qba Ak Zj Elb Th Fa Ss JO KG LB Mg Mn RU Sm So Sp Sr TR Arr UA Uk Vi Ktm Nym SY IL Pa Hf 01 02 03 04 05 06 07 13 14 16 19 21 23 24 25 26 29 30 33 36 37 38 40 42 43 44 46 47 50 51 58 60 62 65 66 68 70 71 74 75 76 78 81 05A 06B 06C 06K 06N 06P 06R 06Rd 13A 13Ab 13Ac 13G 13Gv 13Gw 14I 14Ib 36C 36Ca 44O 44Oi 46F 46Ff 65D 65E 65Ea 65F 65Fe 65Fu 65G 65Gd 65Ge 65K 65Kl 65Km 65Kz 65Kg 65Ks 65Kw 65N 65Np2 65Nm 66A 70C 70Cb 76C 76D 76Da
57. **Chazara (s.str.) briseis (Linnaeus,1764)** (Satyridae) **Synonym(s):** *briseis Linnaeus,1764; daedale Bergstrüßer,1780; bataia Fruhstorfer,1909; interjecta Verity,1916; variabilis Varin,1958; pictonica Varin,1958.* **Range (in codes):** AF AL AM Ao At Bn Kts AT Aty AZ Ba BE BG B-H BY CH CN CY CZ DE DZ ES FR GG GR HU HV IQ IR IT Ju KG KK LU MA MK MN PL RO RU SE Si SK Sm So Sr SS TJ TM TN TR T-S UA Ui Uk Uz Vi Yk Uu Tm Vi Ao Sr Uk Aq Or Sm Tt Ch Kt Kw Ty Om Pw Ka Rk Tar Sau Ssn Mn Buc At Bn Mu Trt Kts Ur Aa Ku Sem Tk Ui TeA KuA DsA Bc Ab Sro Qba Msw Ak Kd Mz Elb Kp Sju Cc Bc 01 02 03 04 05 06 07 08 10 11 12 13 14 15 16 17 18 19 20 21 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 40 42 43 44 46 47 48 49 50 51 53 55 56 58 60 62 63 64 65 66 68 69 70 71 73 74 76 78 80 04D 04Db 05A 06B 06C 06D 06G 06H 06K 06N 06R 06Rd 06V 06N 06Z 12A 12Ab 12E 12Eb 13A 13Ab 13G 13Gv 13Gü 13Gw 21N 21Nb 44F 44Fb 44O 44Oi 46F 46Ff 56F 58G 58Gg 58R 58Rb 65D 65Dc 65E 65Eb 65F 65Fc 65Fd 65Fe 65Fg 65Fj 65Fç 65Ft 65Fx 65Fz 65K 65Kb 65G 65Ga 65Gm 65Gn 65Go 65Gp 65Gq 65Gs 65K 65Kc 65Kl 65Ks 65Ku 65Kü 65N 65Nb 65Nr2 65Nr3 65Nr4 65Nr6 65Nm 66A 70C 70Cb 73A 73Ad 73Ad2 76C 76D 76Da 76Dg 78D 78Da
58. **Coenonympha (s.str.) pamphilus (Linnaeus,1758)** (Satyridae) **Synonym(s):** *pamphilus Linnaeus,1758; menalcas Poda,1761; nephele Hufnagel,1766; marginata Heyne,1894; orantia Fruhstorfer,1908; scota Verity,1911; infrarasa Verity,1926; juldusica Verity,1926; asiaemontium Verity,1926; euxina Verity,1926; posteuxina Verity,1926; londonii Verity,1926; neolyllus De Lattin,1950* **Range (in codes):** Aa AL AM Ao Aq AT Aty AZ Ba BE BG B-H Bs BY Ch CH CN Co CZ Db DE Dg DK EE ES Fe FI FR Ga GB GG GR HU HV IQ IR IT Ju KG Kg KK Kr Ku Kw Ky LB LT LU LV MK Mn NL NO Or PL Pp Psa PT Pw Rk RO RU Sa SE Si SK Sm So Sp Sr SS Tk Tm TM TR T-S Tt Ua Ui Uk Uz Vi Yk Uu MA MT Om TN Ty DsA Tar Sau Tar TrA Mrk Cw Dv Smt H-W Sur Ssx Ken At Bn SY Elb Kp Ab Oru Sro Ak Ha Gl Ks Kh Cc 01 03 04 05 06 07 08 09 10 11 12 13 14 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 65 66 67 68 69 70 71 72 73 74 75 76 77 78 81 05A 06A 06B 06C 06D 06G 06H 06K 06N 06P 06R 06Rd 06S 06V 06Z 12A 12Ab 12E 12Eb 13A 13Ab 13B 13Ba 13D 13Da 13F 13G 13Ga 13Gö 13Gg 13Gv 13Gw 14I 14Ib 21N 21Nb 21Nh 25F 25Fa 25Fb 25Fc 30B 30Bb 30Bk 30D 30Df 36D 36Db 38H 38Hc 39C 44O 44Oi 46F 46Fc 46Fd 46Ff 48D 48F 56F 58R 58Rb 65D 65Dc 65Dk 65Dl 65Dq 65Dn 65Dm 65Do 65Dr 65Dt 65E 65Eb 65Ec 65Eç 65Ed 65G 65Ga 65Gd 65Ge 65Gz 65F 65Fb 65Fç 65Fd 65Fe 65Fg 65Fh 65Fi 65Fj 65Fq 65Ft 65Fz 65K 65Kg 65Kl 65Ks 65Kş 65Ky 65Ky1 65Kw 65M 65Md 65N 65Nc 65Nl 65Np 65Nr2 65Nr6 65Nş 65Nm 66A 72F 76B 76Bf 76Bh 78D 78Da
59. **Esperarge (s.str.) clymene (Fabricius,1787)** (Satyridae) **Synonym(s):** *#climene Esper,[1783]; clymene Fabricius,1787; boroeas Latreille,1803; synclimene Hübner,[1819].* **Range (in codes):** AL Cc AZ BG Elb GG GR IQ IR Ab Qba Jal Ak Elb Th Fa Mz RO RU Sm Sr Th TR Vi YU 04 05 06 07 08 12 13 16 19 23 24 25 29 30 36 38 40 42 44 46 49 56 58 60 62 65 66 69 71 73 75 76 04D 04H 04Ha 05A 06D 13D 13Da 13E 13Ea 13G 13Ga 13Gv 13Gw 24Ea 25F 25Fa 25Fc 36D 36F 46F 46Ff 56F 65D 65Dc 65Dl 65Dlc 65E 65Eb 65F 65Fb 65Fc 65Fe 65Fg 65Fh 65Fl 65Fm 65Fu 65Fü 65Fz 65G 65Gl 65Gp 65K 65Kc 65Kd 65Kg 65Kz 65Kl 65Kö 65Kü 65N 65Np 65Nr2 65Nr3 65Nr6 65Nm 66A 76C 76D 76Dj
60. **Hyponephele (s.str.) lupina (Costa,[1836])** (Satyridae) **Synonym(s):** *lupina Costa,[1836]* **Range (in codes):** At Bn Ae Af AL AM Ao AZ Ba B-H Cr CY CZ DZ ES Mu FR GG GR HU Hr HV IL IQ IR IT JO Kg KK LB MA MK MN PK PT Rd RU Si SK Sm Sr SS TJ TM TR UA Uz Vi YU Uk Aq Ky Syr Tm Db Aa Tk Ka Kt Ty Pw Sp Mn Or Bs Sm Kg Sau Mrk Tar DsA IiD T-S SY Tls CN Ui Il Ku Sju Hr Ax Kh Kp Cc Ab Sro Qba Jal 01 02 03 04 05 06 07 08 09 10 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 42 43 44 45 46 47 48 49 50 51 52 55 56 58 60 62 63 64 65 66 67 69 70 71 72 73 76 78 80 04D 04Db 05A 06B 06C 06D 06H 06K 06R 06Rd 06V 13A 13Ab 13Ac 13Ad 13D 13Da 13G 13Ga 13Gv 13Gw 21N 21Nb 25F 25Fa 27C 27Cb 31M 44F 44Fb 44O 44Oi 45L 45La 46F 48A 48Ab 48Ad 48Aa 48Ag 48Am 48D 56F 63E 65D 65Dd 65Dda 65G 65Gn 65F 65Fe 65Fj 65Fi 65Fl 65Fr 65Fq 65Fu 65Fü 65Ft 65Fx 65Fz 65K 65Kg 65Kl 65Kö 65Kş 65Kü 65Kw 65N 65Nb 65Np 65Np1 65Nr2 65Nr3 65Nm 66A 72E 72Eb 72F 73Df 76D 76De 76Dg
61. **Lasiomha megera (Linnaeus,1767)** (Satyridae) **Synonym(s):** *megera Linnaeus,1767; caledonia Verity,1911; alticola Verity,1911; pseudoadrasta Stauder,1922; infrapallens Verity,1922; ocellator Verity,1923; pallidedepulverata Verity,1923.* **Range (in codes):** Ae AL AT BE BG B-H BY CH Co Cr CY CZ DE DK EE ES Mu Mui8 FI FR GB GR HU HV IE IL IQ Dy IR Ab Qba Jal Ak Msw IT Kp Kr LB LT LU LV MK MT NL NO PL PT Rd RO RU Sa Se Si SK Sm So Sr SS SY TM TR Cc JO UA Vi YU Cw Dv Smt H-W Sur Ssx Ken 01 02 05 06 07 08 09 10 11 12 13 14 15 16 17 20 21 22 23 24 25 26 27 28 30 31 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 55 56 57 58 59 60 62 63 65 66 67 70 71 72 73 74 75 76 77 80 05A 06B 06G 06K 06N 06P 06R 06Rd 06S 06Z 13G 13Ga 13Gv 13Gk 13Gm 13Go 13Gs 13Gü 13Gw 21N 21Nb 25F 25Fa 25Fb 27C 27Cb 31K 31Ka 39C 44A 44Ab 45L 45La 48A 48Aa 48Ad 48Ab 48Ag 48Am 48D 56F 63E 65D 65Dd 65Dda 65G 65Gn 65F 65Fe 65Fj 65Fi 65Fl 65Fq 65Fs 65Ft 65F3 65K 65Kg 65Kö 65N 65Nc 65Np 65Nm 66A 72E 72Eb 72Ed 73A 73Ad 73Ad2 73D 73Db 73Dg 75F 76A 76Ac 76Ad
62. **Maniola (Telmessiola) telmessia (Zeller,1847)** (Satyridae) **Synonym(s):** *telmessia Zeller,1847; palleascens Butler,1868; kurdistan Heyne,1894; oreas Le Cerf,1912; manioides Le Cerf,1912; ornata Turati & Fiori,1930; marenigrans Verity,1938; pelekassii Kattulas & Koutsaftikis,1978.* **Range (in codes):** Ae GR IL Pa Hf IQ IR Km Ab Lo JO LB Rd SY TR 01 02 03 07 09 10 12 13 15 17 20 21 23 27 30 31 32 33 35 42 44 45 46 47 48 51 56 62 63 65 70 72 73 80 12A 12Ab 13D 13Da 13E 13Ea 13G 13Gd 21N 21Nb 27C 27Cb 31M 35T 35Td 44O 44Oi 45L 45La 48A

48Ak 48Ab 48Aa 48Am 48Aç 48Ag 48Ai 48An 48Ao 48Aö 48Ap 48As 48Aş 48Au 48Aü 48Av 48D 56F 56Fc 56Fı 65D 65Dç 65Dk 65Dn 65Dl 65Dla 65Dq 65Dm 65Dt 65Fı 65Fz 65K 65Ku 65N 65Np 65Np8 65Nm 72E 72Eb 72Ec 73A 73Ad 73Ad2 73D 73Db 73Df

63. **Maniola (s.str.) jurtina (Linnaeus,1758)** (Satyridae) Synonym(s): *jurtina* Linnaeus,1758; *janira* Linnaeus,1758; *lemur* Schrank,1801. Range (in codes): Ae AL AM Ao AT AZ Ba BE BG B-H Bw BY Cc CH Co Cr CZ DE DK EE ES FI FR GB GG GR HU HV IE IQ IR IT Kr LT LU LV MK MT NL NO PL PT RO RU Sa SE Si SK Sm So Sr SS TM TR UA VI YU Cw Dv Smt H-W Sur Ssx Ken PT Cn MA DZ TN ES MT F66 Sr Sm Or Bs Ch Tt So Ao KG Uk Mu Ab Ak Oru Msw Qba Gh Mz Elb Th Lo Kd Ha Gl 01 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 65 66 67 68 69 70 71 72 74 75 76 77 78 80 81 05A 06A 06B 06C 06D 06G 06H 06K 06R 06Rd 06Z 13G 13Ga 13Gv 14I 14Ib 24E 24Ea 25F 25Fa 25Fb 25Fc 29A 29Ae 39C 46F 58R 58Rb 65D 65Do 65E 65Eb 65F 65Fç 65Fg 65Fh 65Fj 65Fq 65Fu 65Ft 65Fx 65Fz 65G 65Go 65Gq 65Gs 65F 65Fç 65Fz 65K 65Kz 65Kğ 65Kl 65Kö 65Kü 65N 65Np 65Nm 66A 75F 75Fi 78D 78Da
64. **Melanargia (Turcargia) hylata (Ménétriés,1832)** (Satyridae) Synonym(s): *hylata* Ménétriés,1832 Range (in codes): Cc AZ IR Ab Jal Ak Mrd Zj Elb Th Fa TR IQ 04 13 21 30 65 13A 13Ac 13G 13Gç 13Gv 13Gw 65D 65Dc 65Dd 65Do 65E 65Ea 65F 65Fç 65Fe 65Fg 65Fl 65Ft 65Fz 65K 65Kb 65Kc 65Ké 65Kl 65Kö 65Kü 65Kz 65Kğ 65G 65Gm 65Gl 65N 65Np 65Np1 65Np2 65Nr3 65Nr2 65Nr6 65Ns 65Nm
65. **Pseudochazara (s.str.) pelopea (Klug,1832)** (Satyridae) Synonym(s): *pelopea* Klug,1832 Range (in codes): IL Pa IQ TIH IR Ab Sro Ak Elb Th Ke Fa JO LB SY TM Kp Kh TR Cc 01 02 04 12 13 21 23 25 27 29 30 36 38 44 46 47 49 53 56 58 62 63 65 72 73 76 13A 13Ab 13G 13Ga 13Gv 13Gw 44O 44Oi 46F 46Ff 56F 65D 65Dc 65Do 65E 65Eb 65F 65Fç 65Fe 65Fg 65Fh 65Fj 65Fq 65Fx 65Fz 65G 65Ga 65Gd 65Ge 65Gn 65Go 65Gp 65K 65Kb 65Kc 65Kl 65Km 65Kö 65Kş 65Ku 65Kü 65Kz 65Kğ 65Kw 65N 65Np 65Np7 65Np8 65Nr2 65Nr3 65Nr6 65Nm 65Ns 72E 72Eg 72Ek 73A 73Ad 73Ad2 76B 76Ba 76C 76D 76Da



Fig. 47 – *Coenonympha pamphilus* (Satyridae), in copula. Gören Mt. 65Np1, 16 5 2014, M.Kemal (Cesa)



Fig. 48 – *Coenonympha pamphilus* (Satyridae), at rest. Gören Mt. 65Np1, 18 5 2014, M.Kemal (Cesa)



Fig. 49 – *Maniola jurtina* (Satyridae), during feeding on an Asteraceae flower. Gören Mt. 65Np, 27 6 2014, M.Kemal (Cesa)



Fig. 50 – *Maniola telmessia* (Satyridae), at rest. Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)



Fig. 51 – *Melanargia hylata* (Satyridae), at rest. Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)



Fig. 52 – *Melanargia hylata* (Satyridae), at rest on *Verbascum* (Scrophulariaceae). Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)



Fig. 53 – *Melanargia hylata* (Satyridae), in copula. Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)



Fig. 54 – *Pseudochazara pelopea* (Satyridae), at rest on stone. Gören Mt. 65Np, 8 6 2014, M.Kemal (Cesa)

Moths

(Fig.55- 146)

Totally 172 species of 22 families are listed here. Alphabetically, the families and the number of their species recorded are as follows: *Arctiidae* (4), *Brachodidae*, *Coleophoridae*, *Cossidae* (1), *Douglasiidae* (1), *Drepanidae* (1), *Ethmiidae* (1), *Gelechiidae* (2), *Geometridae* (28), *Lasiocampidae* (3), *Lymantriidae* (1), *Noctuidae* (61), *Notodontidae* (3), *Oecophoridae* (4), *Plutellidae* (1), *Pterophoridae* (2), *Pyalidae* (37), *Scythridae* (1), *Sphingidae* (6), *Tineidae* (1), *Tortricidae* (8), *Zygaenidae* (6).

The list is composed of easily identified species. There are still more than 150 species that needs male genitalic preparations for their precise identifications. See also the families; *Brachodidae*, *Oecophoridae*, *Plutellidae*, *Pterophoridae*, *Scythridae*.

Arctiidae (4)

66. **Arctia (Epicallia) marchandi De Freina,1983** (Arctiidae) Synonym(s): *marchandi* De Freina,1983.
Range (in codes): TR IR By Mz Th Elb Kdj Es Ab Oru Ak Ar Km Qz Zj 12 30 49 65 73 12E 12Eb 30B 30Bf 30Bd 30Be 30Bg 65D 65Dh 65Dlc 65Ds 65N 65Np2 65Nm 73C 73A 73Ab 73Cd
67. **Arctia (Eucharhia) festiva (Hufnagel,1766)** (Arctiidae) Synonym(s): *festiva* Hufnagel,1766; *hebe* Linnaeus,1767; *interrogationis* Ménétériés,1863; *sartha* Staudinger,1886; *nivea* O.Bang-Haas,1927; *ragusai* Stauder,1928.
Range (in codes): PT ES FR Si IT BE NL LU DE AT PL CZ SK HU RO YU AL BG GR Rd TR SY Hal LB IR Ak Shf Zj Tbz Ar Kd Snj Km Ha Ma Ke Kh Fa Hz LV LT MD UA BY KK Ax RU Tv MN CN GG Tbl Bjo Kir Smt Akh AZ Bak Cc AM KG Ssn Tk li UZ Fe Man IQ Shq 05 06 12 13 14 16 17 24 25 27 32 36 38 40 42 44 56 58 60 63 64 65 71 75 05A 06R 06Ra 12A 12Ab 12Af 13A 13Ab 14E 16A 25T 27B 36F 42B 44L 56F 56Fh 58G 60C 63E 65E 65Eb 65Eç 65K 65Ky 65Ky1 65Kz 65Kg 65N 65Np 65Nm 75E
68. **Phragmatobia fuliginosa (Linnaeus,1758)** (Arctiidae) Synonym(s): *fuliginosa* Linnaeus,1758; *fervida* Staudinger,1871 nec Walk.,1855; *lurida* Rothschild,1910; *monticola* Daniel,1970 nec Reiss.,1934 Range (in codes): DZ MA TN PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IR Elb Th Mz Kdj GG AZ Kir AM LB Bei JO IL Hf DK NO SE FI EE LV LT RU Sr MD UA BY AF Bark TJ KK KG Ssn CN Ui

Ku Ts Kno Gn UZ Fe Ti CA Bd Hr Gbh Fz Srb Pli Dwe US Cc Smt Bjo Tbl Mng Da Der IQ SY Sc On Mai Wc BCo
Nca Mnt Ssk Vc Yuk Ts B-B Ab Khy Oru Ak Aha Gh Mz GlS Kh Kd Bne Km Fa Pag Kön PK Gg Hu Psu 01 05 06
07 12 13 14 16 19 22 30 32 33 34 35 36 42 44 46 50 52 53 55 56 61 65 71 76 05A 07C 12A 12Aa 13A 13Ab 14B 14Bb
16A 19P 22A 30A 30Ad 33F 33P 34P 36D 44L 44Lb 46D 52H 55D 55F 56A 56Aa 56F 56Fo 61L 65N 65Np 65Nm
73D 73Dd

69. **Utetheisa (s.str.) pulchella (Linnaeus,1758)** (Arctiidae) Synonym(s): *pulchella* Linnaeus,1758; *pulchra* [Denis & Schiffermüller],1775; *thyter* Butler,1877; *shyama* Bhattacharjee & Gupta,1969; *menoni* Bhattacharjee & Gupta,1969. Range (in codes): CV Az PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Rd Cr TR DK LV LT RU MD UA BY IL Pa Hf IR Kz Ss Kd Ke CY GG AZ Len Cc AM KG ZR ZA Ec Nta Kzu Gau Pre Spb Mdk Ent Tva Lpo AF Ca Kab Asm Nu Bsg CN Ui GP IQ Agh TH CMa Kne Sbu Ab Oru Gh Mz Kh GlS Se Th Qz Kd Bne Mrv Snj Lo Km Il Es Yz By Bk Fa Ke Ss Hz Bu Kz Tbl Bjo Smt Lag Der Da Bak Len PK Nwf Pes Bt Skd Bl Cp SO IN Cn Md ID Ja VN LK Cob Pdy Dek AU 01 05 07 13 16 21 30 33 36 44 46 47 48 56 58 63 65 73 01H 05A 07B 13F 16A 21F 30B 30Bh 31K 33F 36D 44L 44Lb 36Db 56A 56F 56Fh 58N 63B 63D 65F 65Fe 65N 65Np 65Nm 73D 73Db



Fig. 55 - *Arctia (Epicallia) marchandi* (Arctiidae), at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014, M. Kemal (Cesa)



Fig. 56 - *Arctia (Eucharia) festiva* (Arctiidae), at rest; nocturnal. Gören Mt. 65Np, 23 4 2014, M. Kemal (Cesa)

Brachodidae

A single specimen taken at 2200m of the mount. It hasnot been identified yet.

Coleophoridae

Collected material will be evaluated separately. Some of them are illustrated below (**Figs. 57-59, 116**).



Fig. 57 – A coleophorid species, at rest on a leaf (Lamiaceae). Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 58 – A coleophorid species, at rest. Gören Mt. 65Np, 8 6 2014, M.Kemal (Cesa)



Fig. 59 – A coleophorid species at rest on rock with lichens. Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)

Cossidae (1)

70. **Dyspeassa ulula (Borkhausen,1790)** (Cossidae) Synonym(s): *ulula* Borkhausen,1790; *hepialica* Borkhausen,1790; *hepialina* Hübner,1792; *marmorata* Rambur,1858; *fuscula* Staudinger,1892; *affinis* Rothschild,1917; *maroccana* Rothschild,1917; *pallida* Rothschild,1917 nec Roth.,1912. Range (in codes): MA DZ TN PT ES FR IT DE CH AT PL CZ SK HU RO YU AL BG GR Rd Cr TR RU MD UA BY CY LB Bei IR Kd KG Ssn IQ Mkp GG Tbl Bjo Kir Kak Cc AZ 05 06 07 14 16 17 20 21 26 33 36 42 45 46 48 58 60 65 66 05A 06R 06Rb 06Rd 16A 42B 48F 58N 65N 65Np2 65Nm

Douglasiidae (1)

71. **Tinagma anchusellum (Benander,1936)** (Douglasiidae) Synonym(s): *anchusellum* Benander,1936 Range (in codes): DK SE EE LV PL DE AT HU BG GR TR IL Pa IR Elb Kdj Th 05 06 23 42 46 65 05A 65N 65Nc 65Np 65Np1 65Nm **New record for the fauna of Van Province!**



Fig. 60 - *Tinagma anchusellum* (Douglasiidae), at rest on *Anchusa* (Boraginaceae). Gören Mt. 65Np1, 21 5 2014, M.Kemal (Cesa)

Drepanidae (1)

72. ***Cilix asiatica* A.Bang-Haas,1907** (Drepanidae) Synonym(s): *asiatica* A.Bang-Haas,1907; *depalpata* Strand,1913 Range (in codes): GG Smt Akh Cc AM AZ Len UA Cm TR IL Hf Pa LB Bsa IR Elb IQ AF Srb Bsg 05 06 07 10 12 17 21 30 31 33 36 42 45 46 47 49 50 56 58 60 65 71 73 05A 06R 06Rb 07A 07C 17M 21N 21Nh 30B 30Bh 31K 31Ka 36D 36Db 49E 49Ea 56F 58N 60G 65D 65Ds 65F 65Fp 65Fz 65N 65Np6 65Nm 73C 73Cd

Ethmiidae (1)

73. ***Ethmia candidella* (Alpheraky,1908)** (Ethmiidae) Synonym(s): *candidella* Alpheraky,1908; *orientella* Caradja,1931. Range (in codes): MA DZ TN PT ES FR IT CH AT CZ SK HU RO YU GR TR IL Jt Pa GG AM Cc IQ Bgd IR Fa Shr Elb Mz RU MD UA BY KG Tk KK UZ 13 16 21 36 42 46 65 71 73 13A 13Ab 21N 21Nb 36D 36Db 65F 65Fi 65Fp 65Fz 65N 65Np 65Nm

Gelechiidae (2)

74. ***Syncopacma polychromella* (Rebel,1902)** (Gelechiidae) Synonym(s): *polychromella* Rebel,1902; *rebeliella* Caradja,1920; *argyrobiella* Caradja,1920 Range (in codes): Cn GB PT ES Si IT MT GB YU TR IR Mz LB IL Pa Hf CY JO KW YE IN RU Ur MN 33 46 56 65 33R 56F 56Fb 56Fm 65N 65Np2 65Nm **New record for the fauna of Van Province!**
75. ***Metzneria* sp.** Range (in codes): TR 65 65N 65Np1 65Nm



Fig. 61 – *Metzneria* sp. (Gelechiidae), at rest. Gören Mt. 65Np1, 18 5 2014, M.Kemal (Cesa)

Geometridae (28)

76. ***Aplasta ononaria* (Fuessly,1783)** (Geometridae) Synonym(s): *ononaria* Fuessly,1783; *rubellata* Villers,1789; *rubicapraria* Hübner,1793; *sudataria* Hübner,[1817]; *ononata* Bellier,1861 Range (in codes): PT ES Mu FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR CY IQ LB Bsa JO SY RU MD UA BY IL Pa He IR AM Cc 05 06 09 12 13 14 16 17 21 23 31 33 39 40 41 42 44 46 48 56 59 65 71 80 05A 12A 12Ab 13G 13Gd 16A 21N 21Nb 42B 44A 44Ab 56F 65D 65Dp 65F 65Fc 65Fo 65Fp 65Fç 65Fz 65Fg 65K 65Kç 65N 65Nd 65L 65Lb 65N 65Np6 65Np7 65Nr2 65Nr3 65Nm 80E 80Eb
77. ***Aplocera annexata* (Freyer,[1830])** (Geometridae) Synonym(s): *annexata* Freyer,[1830]; *boisduvaliata* Duponchel,1831 Range (in codes): GR UA TR Cc Arr GG Smt Akh AM IR 05 06 13 14 16 18 24 25 33 36 38 42 46 58 60 61 65 69 76 80 05A 13G 13Gü 13Gw 16A 18F 25A 38K 42B 46Fb 58N 65F 65Fb 65Fp 65Fz 65K 65Kb 65Kz 65Kg 65N 65Np2 65Nr4 65Nm 80E 80Eb
78. ***Aplocera obsitaria* (Lederer,1853)** (Geometridae) Synonym(s): *obsitaria* Lederer,1853; *pseudopallidata* Bytinski-Salz & Brandt,1937 Range (in codes): TR Cc IQ IR Fa Shr Sse Th Elb Nss LB Bsa 04 05 21 25 42 44 46 47 58 62 65 76 05A 42B 44E 44Eh 46C 58N 65D 65Dd 65Dda 65F 65Fm 65Fp 65G 65Gt 65N 65Np1 65Np2 65Nm
79. ***Aplocera plagiata* (Linnaeus,1758)** (Geometridae) Synonym(s): *plagiata* Linnaeus,1758; *pallidata* Staudinger,1879. Range (in codes): PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG AZ AM Nv IQ Rwz IR Ab Oru Fa Sse Com Kz Gl Kh CY DK NO SE FI EE LV LT RU Krl MD UA BY CN Ui Ju Kön IL Pa Js He LB Bsa 01 05 06 13 14 16 17 18 22 23 24 29 30 33 34 35 38 39 42 44 45 46 56 58 60 61 62 65 71 75 80 81 01H 05A 05G 06R 06Rb 13A 13Ab 13G 13Gü 13Gw 13Gs 16A 18F 42B 44E 44Eh 56F 58N 60H 60Hb 61K 65F 65Fg 65Fp 65K 65Kb 65Kl 65N 65Nc 65Nc4 65Np 65Np1 65Nr4 65Nm 75F 75Fb 80E 80Eb
80. ***Camptogramma bilineatum* (Linnaeus,1758)** (Geometridae) Synonym(s): *bilineata* Linnaeus,1758; *brocatella* Fourcroy,1785; *dumetata* Schrank,1802; *bilinearia* Boisduval,1840; *musauria* Freyer,1846; *testaceolata* Staudinger,1871 Range (in codes): DZ PT ES Mu FR Co Si IT MT IE GB Sc Sht BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR AZ IQ IR Ab Oru Msw Ak Jal Fa Sse Mz Gl Kh DK NO SE FI EE LV LT RU Ur At MD UA Cm BY AZ Kir Cc AM GG KG TM Kp IL Pa LB Bsa 05 06 10 13 14 16 17 18 22 23 28 30 33 34 35 36 38 39 42 44 45 46 48 52 56 57 59 60 65 73 80 05A 06R 06Rb 06Rd 10K 13A 13Ab 13C 13Cç 13F 13G 13Gd 13Gg 16A 28N 30D 30Dx 33G 36D 36Db 44F 44Fb 44O 44Oi 48G 48D 52A 56F 56Fa 56Fc 56F1 56Fn 56Fç 57E 60G 65D 65Dl 65Dlc 65Do 65Doa 65F 65Fd 65F1 65Fz 65N 65Np 65Nm 73A 73Ad 73Ad2 73D 73Df 80E 80Eb
81. ***Catarhoe permixtaria* (Guenée,[1858])** (Geometridae) Synonym(s): *permixtaria* Herrich-Schäffer,1851; *permixtaria* Guenée,[1858] Range (in codes): IT RO YU MK BG GR TR LB AZ Nv Cc Kir Ord Tbl GG AM IR Gl TM Kp IL Pa Car Js JO 05 06 13 14 16 17 30 31 42 46 56 65 71 05A 13F 13G 13Gg 16A 30B 30Bc 30Bc1 42B 56F 65D 65Dh 65F 65Fr 65Fm 65Fp 65Fz 65H 65Hg 65K 65Kl 65Kd 65Kg 65N 65Np8 65Nm

82. **Cleta perpusillaria (Eversmann,1847)** (Geometridae) Synonym(s): *perpusillaria* Eversmann,1847
Range (in codes): PT ES RU UA Cm TR Cc AM TM 05 39 42 65 65N 65Nş 65Nm **New record for the fauna of Van Province!**
83. **Dasycorsa modesta (Staudinger,1879)** (Geometridae) Synonym(s): *modesta* Staudinger,1879
Range (in codes): RO YU BG GR CY TR LB Bsa IL Pa Tbs IQ IR 05 14 17 21 22 31 33 39 42 46 48 56 59 65 71 73 21N 21Nh 31K 31Ka 42B 48L 56A 56F 65E 65F 65F1 65Fz 65K 65Ky 65Ky1 65N 65Nm 65Np 73A 73Aç
84. **Dyscia (Calodyscia) innocentaria (Christoph,1885)** (Geometridae) Synonym(s): *innocentaria* Christoph,1885; *sicanaria* Oberthür,1923; *sicula* Reisser,1940; *#innocentana* Pugaev & Zolotuhin,2006 Range (in codes): Co Sa Si IT YU HV AL MK BG GR RU MD UA Cm TR IQ Ama Shq IR GlS Kh TM JO Amm IL Pa Js SY Dms CY Cc Da GG Bjo Lag AZ Kir AM Eri AF KG 01 05 06 07 14 16 17 18 20 25 35 36 38 42 44 45 46 47 50 56 65 71 56F 65F 65N 65Np 65Nm **New record for the fauna of Van Province!**
85. **Ellicrinia cordiaria (Hübner,1790)** (Geometridae) Synonym(s): *cordiaria* Hübner,1790 Range (in codes): AT SK HU RO YU BG GR RU MD UA BY TR Cc AZ Nv AM GG IQ Dk IR FA Sse IN Kul Hp 06 14 16 18 22 36 38 42 45 46 56 58 59 61 65 71 16A 18F 36D 36Db 38K 42B 56F 56Fn 58N 61K 65F 65Fm 65H 65Hb 65N 65Np6 65Nm
86. **Eupithecia oblongata (Thunberg,1784)** (Geometridae) Synonym(s): *#centaureata* [Denis & Schiffermüller],1775; *oblongata* Thunberg,1784; *boloniensis* Fourcroy,1875; *centralisata* Staudinger,1892; *chinae* Vojnits,1977. Range (in codes): MA DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc GG Tbl Kir Lag AM AZ DK NO SE FI EE LV LT RU Da Us MD UA BY KG Ssn Tk CN Ui Ku Stg Kwa IL Pa Car Jf LB Bsa PK Ch IN Ld Gg KK Ax UZ Smk AF Nu Bd TW 05 06 14 16 17 34 42 46 55 56 58 65 71 05A 06K 06Kc 16A 34H 36D 36Db 42B 42J 42X 42Xa 55F 56F 56Fv 58N 65F 65Fç 65Fz 65L 65Lb 65N 65Np1 65Np6 65Nm
87. **Idea humiliata (Hufnagel,1767)** (Geometridae) Synonym(s): *humiliata* Hufnagel,1767; *osseata* [Denis & Schiffermüller],1775; *ossearia* Hübner,[1799] Range (in codes): DZ PT ES Mu FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AM AZ Nv DK NO SE FI EE LV LT RU MD UA Cm BY 05 06 14 16 22 39 65 71 76 05A 16A 65F 65Fr 65N 65Np7 65Nm 76D 76Dd
88. **Idea ochrata (Scopoli,1763)** (Geometridae) Synonym(s): *ochrata* Scopoli,1763; *#ochreatea* [Denis & Schiffermüller],1775; *corrigata* Fabricius,1781; *ochrearia* Schrank,1802 nec Ross.,1794; *sicula* Zeller,1847; *accretata* Fuchs,1901 Range (in codes): MA DZ TN PT ES Mu FR Co Sa Si IT MT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Tbl Bjo Smt Lag Da Der Kir AZ AM Ksp CY LB DK SE RU MD UA BY IR 01 05 14 16 22 25 34 39 46 59 65 76 78 81 05A 16A 65F 65Fr 65Fp 65Fz 65N 65Nş 65Nm 76C 76D 76Dd 78D 78Da
89. **Idea rufaria (Hübner,[1799])** (Geometridae) Synonym(s): *rufaria* Hübner,[1799]; *ochridana* Silbernagel,1944 Range (in codes): MA PT ES Mu FR Co Si IT BE DE CH AT PL CZ SK HU RO YU B-H MK HV AL BG Vrn GR Rd TR Cc GG Tbl Bjo Mng Kir Bku Smt Da Der Nv Ord AZ AM Ksp IQ RU MD UA BY IR Fa Com Kz Kh AF Pag Kab MN 01 05 14 16 17 22 33 34 39 42 58 65 76 80 05A 42B 58N 65F 65Fg 65Fr 65K 65Kl 65M 65Md 65N 65Np 65Nş 65Nm 76C 80E 80Eb
90. **Isturgia murinaria ([Denis & Schiffermüller],1775)** (Geometridae) Synonym(s): *murinaria* [Denis & Schiffermüller],1775; *nubecularia* Villers,1789; *myosaria* Esper,[1806]; *cineraria* Duponchel,1829; *buffonaria* Millière,1855 Range (in codes): PT ES FR Si IT BE DE CH AT PL CZ SK HU RO BG TR AZ AM Cc GG RU Ur MD UA BY KK Ik IR Ab Oru CN Ui Tlk Kun 04 16 36 56 65 04E 04Ea 16A 36D 36Db 56F 56Fi 65F 65F1 65Fp 65Fz 65K 65Kl 65L 65Lb 65N 65Np 65Nm
91. **Lithostege farinata (Hufnagel,1767)** (Geometridae) Synonym(s): *farinata* Hufnagel,1767; *illibata* [Denis & Schiffermüller],1775; *nivearia* Hübner,[1799]; *albaria* Turton,1802; *bachmutensis* L.B.Prout,1938 Range (in codes): ES FR IT DE AT PL CZ SK HU RO YU BG GR TR Cc GG AZ Nv DK SE LV LT RU Sb At T-S MD UA Cm BY CN Ui Ku 05 16 34 38 42 47 50 51 56 58 65 05A 16A 47G 56A 58N 65F 65M 65Mc 65Md 65N 65Np 65Nş 65Nm
92. **Lycia hirtaria (Linnaeus,1761)** (Geometridae) Synonym(s): *#hirtaria* Clerck,1759; *hirtaria* Linnaeus,1761; *eremita* Scopoli,1763; *atomaria* Hufnagel,1767 nec Linn.,1758; *hirtipennis* Retzius,1783; *congeneraria* Hübner,1799; *fumaria* Haworth,1809; *hanoviensis* Heymons,1891 Range (in codes): MA PT ES FR Co Sa IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY 05 16 65 76 05A 16A 65N 65Nm 65Np 76B 76Bb **New record for the fauna of Van Province!**
93. **Pydna badiaria (Freyer,[1841])** (Geometridae) Synonym(s): *badiaria* Freyer,[1841]; *telaria* Herrich-Schäffer,[1847]; *cervinaria* Herrich-Schäffer,[1847]; *praecanaria* Eversmann,1847; *pollenaria* Freyer,1854. Range (in codes): MK RU Sr UA TR Cc AM Da IR Elb IQ 05 06 14 21 25 29 30 36 38 40 42 44 46 50 51 56 58 65 71 05A 06R 06Rb 14F 14Fb 14G 14Gc 21N 21Nh 36F 40E 40Ea 42B 56F 56Fn 58N 58M 65D 65Dh 65Dr 65Drb 65Ds 65G 65Gf 65Gt 65M 65Md 65N 65Np 65Np1 65Np2 65Nr7 65Nm 71C
94. **Rhodostrophia auctata (Staudinger,1879)** (Geometridae) Synonym(s): *auctata* Staudinger,1879 Range (in codes): TR Cc Arr Ksp IQ IR Fa Com Kz 05 06 12 13 24 25 29 38 42 43 44 46 49 50 51 56 57 58 61 62 65 69 71 76 05A 06R 06Rd 12A 12Ab 13A 13Ab 25N 25Na 44E 44Eb 50F 50Fb 51D 51Db 56F 56Fs 58N 61K 65D 65F 65Fg 65F1 65Fq 65Fz 65G 65Ge 65K 65Kl 65N 65Np 65Np2 65Np4 65Np8 65Nr2 65Nr4 65Nm
95. **Rhodostrophia discopunctata Amsel,1935** (Geometridae) Synonym(s): *tabidaria* auct. nec Zell.,1847; *discopunctata* Amsel,1935 Range (in codes): RO YU AL MK BG GR IL Pa Car Js Mer LB Bei Bsa JO TR Cc GG AM IQ 05 06 13 14 16 17 18 21 28 29 33 36 38 42 46 50 56 58 60 65 72 80 81 05A 13G 13Gz 14G 14Gb 16A 18F 21N 21Nh 28N 36D 36Db 42B 56F 56F1 56Ft 58N 60G 65D 65Dd 65Dda 65Dl 65Dlc 65Dr 65Drb 65F 65Fd 65Fp 65Fz 65Fr 65N 65Np 65Np1 65Np2 65Nr6 65Nr7 65Nm 72E 72Ei 80E 80Eb 81E
96. **Rhodostrophia sieversi (Christoph,1882)** (Geometridae) Synonym(s): *sieversi* Christoph,1882 Range (in codes): TR Cc AZ Nv Ord IQ IR Ab Jal Elb Mz 06 30 44 46 65 71 76 65D 65Dd 65Dda 65De 65Ds 65F 65Fp 65Fz 65N 65Nr3 65Nm 76D 76Dd

97. **Rhodostrophia terrestraria (Lederer,1869)** (Geometridae) Synonym(s): *terrestraria* Lederer,1869
Range (in codes): TR TM Kp IR Elb Mz Dam Gor Kh KK Ax 65 65N 65Np2 65Nm **New for the fauna of Turkey!**
98. **Scopula decorata ([Denis & Schiffermüller],1775)** (Geometridae) Synonym(s): *decorata* [Denis & Schiffermüller],1775; *cinerata* Fabricius,1781; *violata* Thunberg,1784; *caerulata* Gmelin,1790; *decoraria* Hübner,[1799]; *ornataria* Esper,[1806]. Range (in codes): MA DZ TN PT ES Mu FR Co Sa Si IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Cc AZ Arr Ksp IR Elb Mz DK SE FI EE LV LT RU MD UA BY CN MN KK KG 03 05 06 13? 14 16 29 30 38 39 42 43 45 46 51 58 60 61 65? 71 76 05A 06R 06Rb 16A 38H 38Hc 42B 58N 58M 60G 61K 65F 65Fp 65Fz 65K 65Kb 65N 65Np 65Np2 65Nm
99. **Scopula marginepunctata (Goeze,1781)** (Geometridae) Synonym(s): *marginepunctata* Goeze,1781; *conjugata* Borkhausen,1794; *aniculosata* Rambur,1829; *puellaria* Boisduval,1840; *mutaria* Heydenreich,1851; *promutata* Guenée,[1858]; *promutaria* Morris,1861; *apertaria* Walker,[1863]; *madoniata* Fuchs,1901; *pastoraria* De Joannis,1891
Range (in codes): MA DZ TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc AM GG AZ Nv Arr IQ IR Ab Oru Elb Th Fa DK SE LV LT RU Da MD UA Cm BY CN Ui Ku Ju LB Bsa IL Pa Jf MN 01 05 13 14 16 17 21 22 24 34 35 38 39 42 46 56 58 59 60 61 65 71 76 80 81 01H 05A 05G 13B 13Ba 16A 21N 21Nh 42B 56F 56Fg 58N 60H 60Hb 61K 61Ka 65D 65F 65Fm 65Fr 65Fp 65Fz 65L 65Lb 65N 65Np 65Np1 65Nm
100. **Scopula ornata (Scopoli,1763)** (Geometridae) Synonym(s): *ornata* Scopoli,1763; *instilata* Hufnagel,1767; *paludata* Linnaeus,1767; *institata* Rottemburg,1777; *interrupta* Goeze,1781; *intersecta* Fourcroy,1785. Range (in codes): MA DZ TN PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc GG AZ AM Nv IQ DK SE FI EE LV LT RU MD UA BY CN Ui Kun AF Ca PK Bl Qu Haz Mre 05 06 07 09 11 14 16 17 18 22 29 34 39 52 59 61 65 76 77 81 05A 06R 06Rd 16A 18F 52A 61K 65F 65Fd 65Fr 65G 65Go 65Gs 65N 65Np1 65Nm 76D
101. **Scotopteryx subvicinaria (Staudinger,1892)** (Geometridae) Synonym(s): *subvicinaria* Staudinger,1892 Range (in codes): LB Cc GG AZ AM TR IR 65 65N 65Np 65Nm
102. **Selenia lunularia (Hübner,1788)** (Geometridae) Synonym(s): *lunaria* [Denis & Schiffermüller],1775 *nec* Fabr.,1775; *lunularia* Hübner,1788; *delunaria* Hübner,[1799]; *sublunaria* Stephens,1831 Range (in codes): PT ES FR Co Si IT IE GB BE NL LU DE CH AT CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY IR GlS CN Ui Ku 05 13 14 17 34 55 57 61 65 75 81 05A 13G 13Gw 13Gs 55F 61K 61Kc 65F 65Fg 65Fr 65N 65Np6 65Nm 75F 75Fb
103. **Thetidia persica Hausmann,1996** (Geometridae) Synonym(s): *persica* Hausmann,1996 Range (in codes): IR Elb Mz Ak Ab TR 13 30 46 58 65 13G 13Gü 13Gw 30B 30Bc 30Bc1 65F 65Fg 65Fp 65Fz 65N 65Np 65Nm



Fig. 62 – *Aplasta ononaria* (Geometridae), at rest; diurnal & nocturnal. Gören Mt. 65Nr2, 14 6 2014, M.Kemal (Cesa)



Fig. 63 – *Aplocera annexata* (Geometridae), diurnal & nocturnal. Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)



Fig. 64 – *Aplocera obsitaria* (Geometridae), nocturnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 65 – *Aplocera plagiata* (Geometridae), diurnal & nocturnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 66 – *Camptogramma bilineatum* (Geometridae), diurnal & nocturnal. Gören Mt. 65Np, 15 6 2014, M.Kemal (Cesa)



Fig. 67 – *Cleta perpusillaria* (Geometridae), diurnal. Gören Mt. 65Nş, 10 6 2014, M.Kemal (Cesa)



Fig. 68 – *Cleta perpusillaria* (Geometridae), diurnal. Gören Mt. 65Nş, 10 6 2014, M.Kemal (Cesa)



Fig. 69 – *Dyscia innocentaria* (Geometridae), nocturnal. Gören Mt. 65Np, 24 5 2014, M.Kemal (Cesa)⁷



Fig. 70 – *Eilicrinia cordiaria* (Geometridae), nocturnal. Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)

⁷ Another male of *D. innocentaria* captured at the same place on 23 9 2014, has been prepared (GP2052, A.Koçak).



Fig. 71 - *Eupithecia oblongata* (Geometridae), nocturnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 72 - *Idaea rufaria* (Geometridae), at rest; nocturnal & diurnal. Gören Mt. 65Np, 15 6 2014, M.Kemal (Cesa)



Fig. 73 – *Lithostege farinata* (Geometridae), a rest; diurnal & nocturnal. Gören Mt. 65Np, 24 5 2014, M.Kemal (Cesa)



Fig. 74 – *Pydna badiaria* (Geometridae), nocturnal & diurnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig 75 – *Rhodostrophia auctata* (Geometridae), at rest; nocturnal & diurnal. Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)



Fig. 76 – *Rhodostrophia discopunctata* (Geometridae), at rest; nocturnal & diurnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 77 – *Rhodostrophia terrestraria* (Geometridae), at rest; nocturnal. Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)



Fig. 78 – *Scopula decorata* (Geometridae), lichenophil, while the preference of resting place; usually nocturnal. Gören Mt. 65Np, 30 5 2014, M.Kemal (Cesa)



Fig. 79 – *Scopula marginepunctata* (Geometridae), at rest; nocturnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 80 – *Scotopteryx* aff. *subvicinaria* (Geometridae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014, M.Kemal (Cesa)



Fig. 81– *Selenia lunaria* (Geometridae), nocturnal. Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)



Fig. 82 – *Thetidia persica* (Geometridae), at rest; nocturnal. Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)

Lasiocampidae (3)

104. **Chondrostega pastranum Lederer,1858** (Lasiocampidae) Synonym(s): *pastranum Lederer,1858*
Range (in codes): TR SY Dms LB Bei IL Pa JO IR Elb Cc AZ Nv GG Tbl TM Kp 01 03 05 06 46 50 63 65 01L 01La 05A 03H 06D 63B 65N 65Np 65Np1 65Nm **New record for the fauna of Van Province!**
105. **Lasiocampa eversmanni (Kindermann,1843)** (Lasiocampidae) Synonym(s): *eversmanni Kindermann,1843; eversmanni Freyer,1844; attrita Stshetkin,1960.* Range (in codes): BG TR AF Srb Sfk IR Mz Kh TM Kp UZ TJ KK Ik KG TrA Aa DsA Tar IQ Brs Dia Ry Rwz GG AZ Kir Tbl Bak AM Cc 01 04 06 07 13 19 21 23 25 30 36 46 50 56 58 62 63 65 70 71 73 01L 01La 04D 04Da 06D 06Da 06N 06Nc 06R 07C 13A 13Ab 13C 13Cf 13F 19P 21N 21Nb 23I 30B 30Bh 30Bg 30D 30Dh 56A 56Aa 56F 58N 63M 65D 65Dt 65F 65F1 65F5 65Fp 65Fz 65G 65Ge 65Ge 65K 65Kd 65Kg 65Ku 65N 65Nc 65Np 65Nm 73D 73Db
106. **Malacosoma castrensis (Linnaeus,1758)** (Lasiocampidae) Synonym(s): *castrensis Linnaeus,1758; ksiezopolskii Sheljuzhko,1943* Range (in codes): PT ES FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA Cm BY LB Bsa KK Ik UZ TJ KK KG TrA DsA KuA TeA Ik Ssn Lps Tar GG Mng Bjo Smt Lag Kir AZ AM Cc TM Kp IR AF MN CN Ti 04 05 06 12 13 14 16 23 24 25 30 33 35 36 38 42 53 56 58 60 65 71 76 04I 05A 06A 06Aa 06R 06Rb 06Re 13F 13G 13Gd 13Gi 13Gy 16A 23I 25C 25Ca 25F 25T 30B 30Ba 30Bl 30D 30Da 36D 36F 42R 49E 49Ea 56F 60C 65D 65Dl 65Dlc 65Dr 65Drb 65F 65Fe 65Fç 65Fc 65Fp 65Fz 65G 65Ge 65K 65Kd 65Kz 65Kg 65N 65Np 65Np1 65Np2 65Nr2 65Nm 76B 76Bf 76Bh 76C



Fig. 83 - *Chondrostega pastranum* (Lasiocampidae), as caterpillar uncommon but diurnal in the area, usually singly observed on *Astragalus* (Fabaceae), etc. Gören Mt. 65Np 10 5 2014, M.Kemal (Cesa)



Fig. 84 – *Lasiocampa eversmanni* (Lasiocampidae). Caterpillar feeds on low herbaceous plants in the steppe. Adults are nocturnal and appear in late summer or autumn. Gören Mt. 65Np, 23 5 2014, M Kemal (Cesa)



Fig. 85– *Malacosoma castrensis* (Lasiocampidae). Caterpillars feed on low herbaceous plants, usually very common and gregarious in the steppe; diurnal. Gören Mt. 65Nr6, 17 5 2014, M Kemal (Cesa)

Lymantriidae (1)

107. **Leucoma salicis (Linnaeus,1758)** (Lymantriidae) **Synonym(s):** *salicis* Linnaeus,1758; *apparens* Retzius,1783; *salicinus* Haworth,1803; *xanthocampa* Dyar,1905; *coreacola* Matsumura,1933; *sjoquisti* Bryk,1942; *variabilis* Bryk,1949 **Range (in codes):** PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag DK NO SE FI EE LV LT RU MD UA BY At T-S Sb KK Ik CN Ui Kml Yu Lik MN U-B Am KP KR JP 05 06 07 08 10 12 13 14 16 19 22 24 25 30 36 42 46 49 53 55 56 58 60 61 62 63 65 66 75 05A 06R 06Ra 06Rb 06Re 07C 08H 13G 13Gü 13Gw 16A 19C 25T 25F 30B 30Be 30Bf 30D 30Da 36F 46D 49E 49Ea 53N 53B 55F 56F 56Fa 58G 58I 58N 60C 61L 62E 63B 65D 65Dl 65Dlc 65F 65Fe 65Fg 65N 65Np2 65Nm 66P 75F 75Fb

Noctuidae (61)

108. **Abrostola agnorista Dufay,1956** (Noctuidae) **Synonym(s):** *agnorista* Dufay,1956 **Range (in codes):** FR Co Si IT CH HU RO YU AL BG GR TR RU Cc Ich IR Elb GlS KK Skm 06 08 25 65 65N 65Np6 65Nm
109. **Acontia (s.str.) lucida (Hufnagel,1766)** (Noctuidae) **Synonym(s):** *lucida* Hufnagel,1766; *solaris* [Denis & Schiffermüller],1775; *albicollis* Fabricius,1781; *rupicola* Borkhausen,1792; *insolatrix* Hübner,[1822]; *triradiata* Walker,[1858]; *lugens* Alpheraky,1889; *heliodora* Schawerda,1923 **Range (in codes):** Cn MA DZ TN LY EG PT ES Mu FR Co Sa Si IT MT GB NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR LB Bsa IQ Mos Agh kut Bgd Kro Bji SA FI LV RU MD UA BY IR Hz Ss Fa Elb Men Ahz GG AZ Len Cc AM TJ Pm AF Asm Nu Kab Hr Pli Gbh Bd Fz Dwe PK IN CN Ui Ku Ii Tek IL Pa Hf Md At KG SY JO Sn Th Mia Kaz Mz B-A UZ N-A KK Skm Osh Ro Kr St Kb Ich Kyi Da IN Pj C-P Kba Cp Smt Tbl Bjo Mng Der 01 05 06 13 16 18 23 24 30 32 33 34 35 41 42 50 51 58 65 71 73 76 05A 13C 13Cf 16A 33G 42J 42X 42Xa 65D 65Ds 65Du 65E 65Eb 65Ed 65F 65Fp 65Fz 65M 65Mc 65Md 65N 65Np2 65Np6 65Nm 73A 73Ab 76B 76Bb 76D 76Dg
110. **Acontia (Uracontia) titania (Esper,[1798])** (Noctuidae) **Synonym(s):** *titania* Esper,[1798]; *urania* Frivaldsky,1835; *eversmanni* Kolenati,1846. **Range (in codes):** Si? RO RU Ro Da YU BG GR TR AZ Kir Nv Ord Cc GG Lag AM IR Fa Ab Mak Elb Th Kaz Mia Kh Msh IQ TM UZ N-A LB Bei IL Pa SA 01 02 05 08 13 16 17 24 30 33 36 42 50 56 58 60 62 65 73 05A 30B 30Be 30Bc1 30D 30Dx 33E 56F 65D 65Dl 65Dlc 65F 65Fa 65Fç 65Fp 65Fz 65N 65Np 65Np6 65Nm
111. **Acronicta (Subacronicta) megacephala (Fabricius,1787)** (Noctuidae) **Synonym(s):** *megacephala* Fabricius,1787; *ankarensis* Hering,1933. **Range (in codes):** MA PT ES Mu FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR IR Mz Elb Kd Snj SY DK NO SE FI EE LV LT RU Cc GG Smt Bjo Lag AZ Kir Ro Kr St Kc Kb Nt Ich Da Sb MD UA BY KG Uk Ui CN KP KR JP 04 06 08 13 18 16 24 25 30 31 33 34 36 37 42 44 46 50 51 53 58 60 62 65 66 75 76 06F 06Fb 06K 06Kc 13G 13Gw 13Gs 16A 34A 36D 36Db 36F 51B 51Ba 60C 60G 65F 65Fç 65Fe 65Fm 65Fr 65Fz 65K 65Kp 65N 65Np6 65Nm 75F 75Fd 76B
112. **Agrotis (s.str.) segetum ([Denis & Schiffermüller],1775)** (Noctuidae) **Synonym(s):** *segetum* [Denis & Schiffermüller],1775; *sordida* [Denis & Schiffermüller],1775; *undulatus* Goeze,1781 (*praeocc.*); *nigricornis* Villers,1789; *segetis* Fabricius,1794; *catenatus* Haworth,1803; *monileus* Haworth,1803; *pectinatus* Haworth,1803; *connexus* Haworth,1803; *subatratus* Haworth,1803; *nigricornutus* Haworth,1803; *praeox* Hübner,[1808]; *fervida* Hübner,[1824]; *affinis* Stephens,1829; *sicula* Boisduval,1840; *dimidia* Zeller,1847; *sicania* Guenée,1852; *marginalis* Walker,1857; *aversa* Walker,1857; *correctus* Walker,1857; *obliviosus* Walker,1857; *denticulosus* Wallengren,1860; *certificata* Walker,1865; *conspurcatus* Walker,1865; *repulsus* Walker,1865; *ingratus* Butler,1878; *pallidus* Staudinger,1881; *lassa* Swinhoe,1886. **Range (in codes):** Cn MA DZ TN LY EG PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU MD UA BY CY IR Fa Lo Ss Kh Ha Mz IQ MN CN Ui Ku PK Bl Qu AF Hr Srb Gbh Blh Arh Fz ZW Har ZA Mpu Brb Gau Pre Jh Tva Lpo Spb Mdk Nta Kzu LB Bsa IL Hf Pa SY JO Sn Tkr Agh Bgd Mj Up Bhi Nnt Kil Kml Gh Th Ab Oru Kz Hz GlS UZ KK KG TJ TM Cc Ro Kr St Kc Kb Nt Ing Ich Da Kyi ET ET24 Mre Cp Thu Rw LK Pdy Smt Tbl Bjo Kir Kus IN Hp Sml Haz Cte Mh Nsk 01 05 06 07 11 13 14 15 16 18 21 24 25 27 30 31 32 33 35 36 37 38 42 46 50 51 56 57 58 60 63 65 67 71 80 01D 05A 06R 06Ra 06Rq 06Y 06Yb 07A 07C 11E 13A 13Ab 13G 13Gü 13Gy 13Gw 13Gs 15F 16A 18F 21N 21Nh 27B 30D 30Db 30Du 30Dx 31L 31La 33E 33H 35O 36D 36Db 38C 38Cb 50G 50Ga 50Gd 51B 51Ba 56F 56Fa 58G 58Gh 63D 65D 65Dn 65Du 65F 65Fa 65Fg 65Fi 65Fj 65Fp 65Fu 65Fz 65G 65Ge 65K 65Kl 65L 65Lb 65N 65Np 65Np1 65Np2 65Nm 80E 80Ea
113. **Apamea (s.str.) anceps ([Denis & Schiffermüller],1775)** (Noctuidae) **Synonym(s):** *anceps* [Denis & Schiffermüller],1775; *sordida* Borkhausen,1792; *infesta* Ochsenheimer,1816; *renardii* Boisduval,1829; *engelhardtii* Duurloo,1889; *pyxina* A.Bang-Haas,1910; *siegeli* Berio,1985; *sassanidica* Hacker,1990; *mazeli* Lutran,1993 **Range (in codes):** MA DZ PT ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR TR Lo Es Elb Th Dam Kh DK NO SE FI EE LV LT RU AZ Kir Cc Ro Kyi Bb MD UA BY TM MN CN Ui LB Bsa IL Pa KG Uk 01 04 06 18 20 25 32 33 38 42 46 49 50 51 58 60 65 66 06R 65G 65Ge 65F 65Fa 65N 65Np1 65Nm
114. **Apamea (s.str.) leucodon (Eversmann,1837)** (Noctuidae) **Synonym(s):** *leucodon* Eversmann,1837; *bidens* Eversmann,1852; *anatolica* Rebel,1933 **Range (in codes):** TR Cc RU Da IL Pa IR Fa Sse AF TM KK Ik Na T-A Sb At MN CN Ui 04 06 25 33 36 42 44 46 50 51 58 60 65 04E 06K 06Kc 36D 36Db 60C 65D 65F 65Fm 65G 65Ge 65L 65Lb 65N 65Nc 65Np 65Np1 65Np2 65Nm
115. **Autographa gamma (Linnaeus,1758)** (Noctuidae) **Synonym(s):** *gamma* Linnaeus,1758; *messmeri* Schadevald,1992; *voelkeri* Schadevald,1992. **Range (in codes):** PT ES Mu FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR CY LB Bsa DK NO SE FI EE LV LT RU MD UA BY IQ Agh Mj IR Fa Elb Mz Dam Th Kdj Kz Yas Skh Bu Dlk AF Jla Kab Bsg Nu Adr CN Ui Ku IL Pa Hf JO EG Sn GG AZ AM Cc KK Ik TrA Ax UZ KG Ro Kr St Kb Kc Nt Ing Da Kyi ET ET24 SY Hal Ak Shf Ab Ar Gh GlS Kh Se Qz Zj Kd Km Lo By Bk Es Bu Ss 01 03 04 05 06 07 08 10 13 14 16 17 18 19 21 24 25 26 28 30 31 32 33 35 37 38 39 42 43 48 50 51 52 56 58 61 62 63 65 66 73 75 76 80 05A 06P 06Ph 06R 06Rb 10K 13G 13Gg 13Gö 13Gs 16A 21N 21Nh 30B 30Bb 30Bk 30D 30Dx 33E 48L 56F 58N 63D 65E 65Eb 65Ec 65Eç 65Ed 65D 65Dr 65F 65Fd 65Fu 65G 65Ge 65K 65Kl 65N 65Nc 65Kp 65Ku 65M 65Mc 65Md 65N 65Np 65Nr7 65Nm 73A 73Ac 73Ac1 73H 75F 75Fg 76A 76Ac 76B 76Bb 76Bf 76Bh
116. **Basistriga flammatra ([Denis & Schiffermüller],1775)** (Noctuidae) **Synonym(s):** *flammatra* [Denis & Schiffermüller],1775; *bimaculata* Milliere,1885. **Range (in codes):** MA PT ES FR Co Si IT GB DE CH AT

PL CZ SK HU RO YU BG GR Cr TR GG Akh Smt Cc AZ Hkd IR Fa Yas By Lo Kh Mz Elb Kdj Dam Kz LB Bsa CY IL
Pa SY JO Sn EG IQ Mos TIH DK RU At Sb MD UA BY CN Ui Ii KG Tk Dj AF Hr Pli Gbh Ch PK Rw Ti SI UZ N-A
KK TrA Ro St Nt Kb Ich Ing Kyi Da Tbl Bjo Kir Lag Nv Ord Bak Len Gls Kh 01 04 06 07 13 21 24 25 28 30 32 33
36 38 39 43 44 45 46 47 49 50 51 53 58 60 61 63 65 66 70 06Y 06Yb 13A 13Ab 50G 50Gd 53N 58G 60C 63L 65D
65F 65Fe 65Fr 65Fp 65Fz 65K 65Kl 65Kd 65Kg 65N 65Np6 65Nm

117. **Behouneka freyeri (Frivaldsky,1835)** (Noctuidae) Synonym(s): *freyeri* Frivaldsky,1835; *linthea* Freyer,1842; *orontii* Herrich-Schäffer,[1851]; *senescens* Eversmann,1856; *#linthea* Lederer,1870 Range (in codes): MK BG GR TR AM GG AZ Kir Cc RU Da SY 01 05 06 13 18 21 25 30 32 35 36 38 42 46 47 50 51 62 65 73 05A 13G 13Ga 21N 21Nb 30B 30Bd 36D 36Db 38H 65D 65Dh 65Ds 65F 65Fc 65Fg 65Fu 65K 65Kl 65L 65Lb 65N 65Nc 65Np 65Np2 65Nm 73A 73Ab
118. **Calamia staudingeri Warnecke,1941** (Noctuidae) Synonym(s): *staudingeri* Warnecke,1941 Range (in codes): TR IQ Cc AM RU Ich IR Fa Elb Bk Lo By Es Ha Th Mz Plr Dam Kd 04 13 25 30 36 38 51 58 65 76 04C 13B 13G 13Gü 13Gw 30D 30Dp 58N 65D 65Dd 65Df 65F 65Fa 65Fp 65Fz 65Fr 65G 65Ge 65K 65Kd 65Kg 65N 65Np2 65Nm 76C 76D 76Dd
119. **Chersotis (s.str.) fimbriola (Esper,[1798])** (Noctuidae) Synonym(s): *fimbriola* Esper,[1798] Range (in codes): MA Rf ES FR Si IT CH AT SK HU RO YU AL BG GR Cr TR Cc AM Eri Geg GG AZ Nv Ord RU Ro Kb Nt Ich MD UA Cm BY IR Kh KuB Elb Kdv Dam Fa Bk By Es Ha Zj Mz Th Ab Bne Sqq Mrv Oru Sdt Lo Kd TM IQ 01 03 04 05 06 08 12 13 18 19 23 24 25 29 30 36 38 42 44 46 49 50 51 58 60 65 66 69 70 73 76 04D 04Da 04I 05A 06A 06Aa 06B 06Bb 06C 06Cb 06K 06Kc 06R 06Ra 06Y 06Yb 08H 08Ha 08Hb 13A 13B 13C 13Cf 13G 13Gf 13Gy 13Gü 13Gw 19C 23I 25C 25Ca 25F 29A 29Ab 30B 30Bd 30Be 30Bg 30D 30Dt 36D 36Df 36F 36G 38G 38Ga 42B 42D 42O 44F 44Fa 44L 44Lb 44I 46G 49E 49Ea 50G 50Ga 58N 60C 65F 65Fa 65Fm 65Fp 65Fz 65G 65Ge 65K 65N 65Np2 65Nm 66P 70C 70Cb 71C 71Cd 73C 73Cd 73D 73Da 76C
120. **Chersotis (s.str.) laeta (Rebel,1904)** (Noctuidae) Synonym(s): *laeta* Rebel,1904 Range (in codes): YU B-H AL GR Cr TR Cc AM Geg RU Ing Da IR Fa Bk Ha Zj Elb Th UA? Cm? LB Bsa IL Pa He 01 03 04 05 06 08 14 18 24 25 28 29 30 32 33 36 42 44 46 49 50 51 58 60 65 66 69 70 71 04D 04Da 04I 05A 06R 06Re 08H 08Hb 12C 25C 25Ca 25F 25M 25T 29A 29Ab 30B 30Bf 30D 30Da 36D 36Df 38G 38Ga 42B 42J 42X 42Xa 42M 46G 50G 50Ga 58G 58N 65F 65Fm 65K 65Kb 65N 65Np2 65Nm 71B 71Ba
121. **Chersotis (s.str.) rectangula (Fabricius,1787)** (Noctuidae) Synonym(s): *rectangula* Fabricius,1787. Range (in codes): FR Si IT CH AT PL CZ SK HU RO YU BG GR TR RU Ro Ich Ing Da MD UA BY Cc AM IR Sb At TM KK Ik DsA 06 07 08 11 12 13 18 24 25 26 36 38 42 43 50 49 60 65 66 73 75 06R 13G 13Gg 13Gf 13Gy 13Gü 13Gw 25M 26G 42B 42D 50G 50Gd 49E 49Ea 65F 65Fr 65Fg 65Fm 65Fp 65Fz 65N 65Np2 65Np6 65Nm 73C 73Cd 75D
122. **Cleonymia (Serryvania) opposita (Lederer,1870)** (Noctuidae) Synonym(s): *opposita* Lederer,1870; *#obscurior* Osthelder,1933. Range (in codes): YU BG GR TR AM Cc AZ Kir Pa IL IQ SY JO IR Ab Oru Mak Km 01 05 06 18 21 24 25 32 33 36 42 44 46 49 50 51 56 58 60 62 63 65 73 05A 06R 06Rh 06Y 06Yb 18F 21N 21Nb 21Nc 21Nh 33G 36D 36Db 42B 56F 56Fg 65D 65Di 65F 65Fg 65Fm 65Fr 65Fp 65Fz 65L 65Lb 65N 65Np 65Np2 65Nm 73E 73Eb
123. **Cornutiplusia circumflexa (Linnaeus,1767)** (Noctuidae) Synonym(s): *circumflexa* Linnaeus,1767; *lunata* Fabricius,1787; *flexuosa* Donovan,1807; *daubii* Freyer,1838; *graphica* Herrich-Schäffer,1851; *patefacta* Walker,[1858]; *reticulata* Moore,1882; *clarescens* Pinker & Bacallado,1975; *#unata* Kononenko & Pinratana,2005 Range (in codes): Md Cn PT ES Si IT GB CH RO AL BG GR TR Cc CY IQ kut Kro Amr Mj Agh FI RU MD UA BY IR Fa By Kz Yas Hz Ss Ke Kh Ab Oru Mak Elb Th Mz CN Ui Ku KK Ik UZ KG DsA AF Ca Hr Gbh ZA Gau Pre Tva Ec Grh Cto Wca Nta Kzu Est IN NP LK LB Bsa IL Pa Hf SY JO TH CMa Php MM GG AM AZ Cc Skh Sdt Ak Ar Gh Gls Kh Se Ha Kd Km By Bk Es Bu Ke Hz Ss Snj Lo Kaz Mia Dlk B-A TM Kp N-A TJ Chr Pm Ro Kr Kb Kc Nt Ich Da ET ET24 ET36 ET86 ET196 DJ DJ44 Smt Bjo Lag Dar Nv Ord Hal 01 04 05 06 07 08 13 16 18 20 21 22 24 25 27 30 31 33 34 35 38 46 47 48 50 51 56 60 63 65 66 73 76 80 05A 13A 13G 13Gü 13Gw 13Gz 16A 21N 21Nh 47G 56F 63D 65D 65Di 65Dlc 65Ds 65G 65Ge 65F 65Fr 65Fu 65K 65Kp 65L 65Lb 65N 65Nc 65Nc4 65Nm 65Np 73A 73Ac 73Al 76A 76Ac
124. **Cosmia (Ulmia) affinis (Linnaeus,1767)** (Noctuidae) Synonym(s): *affinis* Linnaeus,1767; *palliat* Fabricius,1794 Range (in codes): MA PT ES FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc GG Smt Bjo Lag AZ Kir Len DK SE FI LV LT RU Ro Kr St Ich Ing Da MD UA BY KK Skm Feg IR Gls JP 08 13 65 08H 13G 65L 65Lb 65N 65Np 65Nm
125. **Cryphia (Bryoleuca) raptricula ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *raptricula* [Denis & Schiffermüller],1775; *divisa* Esper,[1791]; *palliola* Borkhausen,1792; *pomula* Borkhausen,1792; *deceptricula* Hübner,[1803]; *carbonis* Freyer,1849; *felina* Eversmann,1852; *#striata* Staudinger,1879; *#persica* Strand,1915; *cretica* Reisser,1962 Range (in codes): MA DZ TN EG PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG AM AZ Cc CY DK NO SE FI EE LT RU LB Bsa IL Pa SY Hal JO EG IR Fa Lo By Yas Ss Es Ke Ha Mz Kz Kdj Elb Dam Mia Km Kd Snj IQ Tkr AF Gbh Pli Srb CN Ui PK KG Tk Dj KK Skm Ik TrA Feg UZ N-A Ro Kr St Kb Nt Ich Da Kir Bak Nv Ord Bne Mrv Kh 01 03 05 06 07 08 12 13 19 24 25 28 30 32 33 36 39 42 46 49 50 51 56 58 62 65 66 70 73 01H 05A 06R 06Rb 13G 13Gü 13Gw 30B 30Bd 42J 42X 42Xa 49E 49Ea 65F 65Fr 65Fp 65Fz 65Fm 65Fg 65N 65Np2 65Nm 73A 73Ad 73Ad2
126. **Cryphia (Bryophila) occidentalis (Osthelder,1933)** (Noctuidae) Synonym(s): *occidentalis* Osthelder,1933 Range (in codes): TR IR Elb Th Fa Mia Shr 13 30 46 56 58 65 13A 13G 13Gg 30B 30Bc 30Be1 30D 30Dt 56F 65G 65Ge 65F 65Fa 65Fh 65Fm 65Fr 65Fp 65Fz 65K 65Kl 65L 65Lb 65N 65Np2 65Nm
127. **Cucullia (s.str.) argentina (Fabricius,1787)** (Noctuidae) Synonym(s): *argentina* Fabricius,1787; *grisescens* F.Wagner,1931 *nec* Lch.,1900; *anatoliensis* Koçak,1980. Range (in codes): SK BG RU Ro St Kyi Da MD UA BY TR Cc IR Elb Th Dam Ab Oru Mak Fa Ss Kh CN Ui Khr Ku KG Tk Dj 04 05 06 13 18 25 27 30 36 38 42 50 58 65 71 04E 05A 06C 06Cb 06K 06Kc 13G 30B 30Bg 36D 36Db 36F 42B 58G 58N 65F 65Fa 65Fc 65Fz 65N 65Np6 65Nm
128. **Cucullia (Shargacucullia) lanceolata (Villers,1789)** (Noctuidae) Synonym(s): *lanceolata* Villers,1789; *thapsiphaga* Treitschke,1826 Range (in codes): ES FR Co Sa Si IT MT CH AT PL CZ SK HU RO YU BG GR TR RU GG Tbl Lag Cc St Kb Kc MD UA BY IR Ke Fa CN Ui CY LB Bsa 01 04 05 06 13 18 25 33 42 46 47 50 51 58 60 65 66 01H 05A 13C 13Cm 65F 65Fa 65N 65Np2 65Nm

129. **Dichagyris (s.str.) erubescens (Staudinger,1892)** (Noctuidae) Synonym(s): *erubescens* Staudinger,1892 Range (in codes): TR GR IR Kh AF Srb LB Bsa IL Pa SY Bld JO Sn EG IQ 01 06 07 24 25 27 30 33 42 44 46 47 50 51 56 58 63 65 06R 06Ra 07K 27B 30B 30Bj1 33O 47D 50G 50Gb 56F 58N 65D 65Dh 65Fr 65Fp 65Fz 65N 65Np 65Np1 65Np2 65Nm
130. **Dichagyris (s.str.) vallesiaca (Boisduval,[1837])** (Noctuidae) Synonym(s): *vallesiaca* Boisduval,[1837] Range (in codes): FR IT CH RU Ro Ich Da TR MD UA Cm Cc GG Bjo Tbl IR Ss Elb Th Mz Kd Snj Mrv Dam Kh KuB Fa TJ Pm Chr KK Ik Skm 08 25 36 40 42 50 58 65 08H 08Ha 25C 25Ca 25F 36D 40D 42B 42D 50G 50Ge 50Gd 58G 65E 65F 65Fa 65N 65Np2 65Nm
131. **Dichagyris (Yigoga) flavina (Herrich-Schäffer,[1852])** (Noctuidae) Synonym(s): *flavina* Herrich-Schäffer,[1852]; *ochrina* Staudinger,1898; *pretiosa* Caradja,1931. Range (in codes): RO YU BG GR RU Da TR IL Pa Cc AZ Kir LB UA Cm AM SY Dms LB Bsa IQ Mos IR Lo By Yas Es Fa Ha Elb Th Ab Oru Sdt Km Kd Snj Yas Sqq 01 03 04 05 07 18 22 23 25 30 32 36 38 39 40 42 44 46 50 51 56 58 60 62 63 65 66 68 05A 50G 50Gd 56F 56Fa 58N 63D 65D 65Dd 65L 65Lb 65N 65Nc 65Np2 65Nm 68H
132. **Drasteria caucasica (Kolenati,1846)** (Noctuidae) Synonym(s): *caucasica* Kolenati,1846; *astrida* Eversmann,1856; *aksuensis* Fuchs,1903. Range (in codes): RO AZ Kir Hkd Nv Ord Bak GG Smt Akh AM Cc RU To Ro Kr Ich Kyi Da TR IR Fa Ha Elb Th Kdj UZ Fe Man Nmg CN Ui Khr Ku Au KK Ik Osh Skm KG DsA Uk Tk Dj Aa AF Hr Srb Blh Pli Bd Bark TJ Pm Chr 13 21 23 24 25 30 36 42 44 50 51 58 65 73 13A 13B 21N 21Nb 25T 30B 30Bd 30Bg 36D 36Db 44L 51D 58G 65D 65Dv 65F 65Fr 65Fp 65Fz 65K 65Kl 65Ku 65L 65Lb 65N 65Np 65Nm 73A 73Ad2
133. **Eublemma (albida-gr.) gratissimum (Staudinger,1892)** (Noctuidae) Synonym(s): *albida* auct.; *gratissima* Staudinger,1892; *infuscata* Staudinger,1892; *peralba* Schawerda,1923. Range (in codes): IQ Mos Kbl LB Bsa CY TR Cc LB Bei JO IL Pa Hf IR Fa Km Kd Snj Lo TM AF 01 05 07 08 13 17 23 24 25 30 40 44 46 47 50 56 58 62 65 05A 08H 08Ha 13A 13B 13G 13Gg 17C 25F 30B 30Bc 30Bc1 44E 44Eh 56F 56Fa 65F 65Fm 65K 65Kb 65Kd 65Kg 65N 65Nc 65Nc4 65Np2 65Nm
134. **Eublemma (candidana-gr.) minutatum (Fabricius,1794)** (Noctuidae) Synonym(s): *minutata* Fabricius,1794; *noctualis* Hübner,1796; *paula* Hübner,[1809]. Range (in codes): ES FR Co IT BE DE CH AT PL CZ SK RO YU AL BG GR AM TR Cc GG Lag AZ Nv Ord DK NO SE FI EE LV LT RU Ro Ich MD UA BY LB Bsa 08 18 24 25 36 42 46 50 60 65 76 36D 36Db 65D 65Dh 65N 65Nb 65Np1 65Nm 76B 76Bb 76C
135. **Eublemma (candidana-gr.) wagneri (Herrich-Schäffer,1851)** (Noctuidae) Synonym(s): *wagneri* Herrich-Schäffer,1851 Range (in codes): TR AZ Hkd GG Smt Akh Cc AM Dar IR Fa Kd Snj Sqq Bne Mrv Hz B-A 01 04 08 13 23 24 25 29 30 36 40 42 44 46 50 58 60 65 66 69 75 76 13C 13Cf 30B 30Bc 30Bc1 30Be 36F 58G 58N 65N 65Np2 65Nm 76C
136. **Eublemma (Glossodice) polygrammum (Duponchel,[1842])** (Noctuidae) Synonym(s): *polygramma* Duponchel,[1842]; *argillacea* Eversmann,1844; *nuda* Christoph,1862; *violetta* Staudinger,1889. Range (in codes): PT ES Mu FR IT CH AT PL RO YU AL BG GR Cr TR CY AZ Kir Hkd Nv Ord Cc IR Fa Bk By Mz Es Elb Th Kd Sqq Bne Bjr Ab Mak Kz Yas Mia Shr Ss Hz B-A IQ RU Ro St Nt Ing Da MD UA BY LB Bsa Bei IL Pa Hf JO 01 03 04 05 06 07 14 18 23 24 25 30 33 35 42 44 46 50 51 56 58 60 65 66 70 75 76 05A 13G 13Gy 56F 56Fa 56Fv 58G 58N 65F 65Fe 65Fr 65K 65Kl 65Kg 65N 65Np2 65Np6 65Nm 76C
137. **Eublemma (ostrina-gr.) ostrinum (Hübner,[1808])** (Noctuidae) Synonym(s): *ostrina* Hübner,[1808]; *carthami* Herrich-Schäffer,[1851]; *aestivalis* Guenée,1852; *numida* Lucas,1849; *thasia* Koutsaftikis,1973. Range (in codes): Cn PT ES Mu FR Co Sa Si IT MT IE GB NL DE CH AT HU RO YU AL BG GR Cr Rd CY TR AZ Kir Cc RU Ro St Nt Ich Ing Da MD UA SY JO IL Hf Pa LB Bsa IQ Brs Ry Rvw Dia Agh Bgd IR Fa Hz Ss Ke Mz Elb Kd Km Snj Lo Mia Kz Yas Kaz Shr Hz B-A AF Bsg Nu IN PK MN KG Tk Dj Sdt Gls 01 05 07 08 09 10 13 16 21 31 33 35 46 48 50 51 56 58 60 62 63 64 65 66 05A 07C 13G 13Gy 13Gü 13Gw 16A 21N 21Nh 31K 31Ka 48L 56F 56Fc 58N 65D 65Dh 65K 65N 65Nc 65Nc4 65Np6 65Nm
138. **Eublemma (pallidula-gr.) pallidulum (Herrich-Schäffer,1856)** (Noctuidae) Synonym(s): *pallidula* Herrich-Schäffer,1856 Range (in codes): RU Ro TR Cc AZ Nv Ord BH IR Elb Lo Kd Snj Kz Yas CY TM UZ Fe KK Ik Na CN Ui Ii LB Bsa SA AF PK Gg Jug NG 01 05 12 13 23 24 25 30 36 42 44 47 50 51 58 62 65 66 73 76 05A 13B 13C 13Cf 13G 13Gw 23G 23Ga 25R 36F 42J 42X 42Xa 44I 47D 58G 65D 65G 65Gv 65Gz 65K 65Kd 65Kg 65L 65Lb 65N 65Np2 65Np6 65Nm 73C 73Cd 76C
139. **Eublemma (rosina-gr.) amoenum (Hübner,[1803])** (Noctuidae) Synonym(s): *respersa* Hübner,1790 (*praeocc.*); *amoena* Hübner,[1803]; *bithynica* Bethune-Baker,1888. Range (in codes): ES Mu FR Co Sa Si IT AT SK HU RO YU AL BG GR Cr MK TR GG Mng AZ AM Cc KK Kir Skm RU Ro Kr St Nt Ich Da IR Mz 01 04 05 13 14 16 18 25 42 45 50 51 58 65 69 05A 14B 14Bb 16A 58N 65F 65Fd 65Fg 65K 65Kd 65Kg 65N 65Nc 65Np6 65Nm
140. **Euchalcia (s.str.) emichi (Rogenhofer,1873)** (Noctuidae) Synonym(s): *emichi* Rogenhofer,1873 Range (in codes): TR LB Bsa SY Cc AM IR Elb Ab Oru Mak Tbz Mey Ak Ar IL Pa 01 08 13 18 19 21 25 30 31 36 38 42 46 49 50 51 58 62 65 66 13A 13G 13Gf 13Gy 19C 21N 21Nh 30D 30Da 49F 51B 51Ba 58G 65F 65Fe 65Fp 65Fz 65Fr 65K 65Kl 65L 65Lb 65N 65Np6 65Nm
141. **Eulocalia diaphora (Staudinger,1879)** (Noctuidae) Synonym(s): *diaphora* Staudinger,1879; *triangularis* W.Warren,1888; *atribasalis* Hampson,1896; *laticincta* Staudinger,1898. Range (in codes): Cn MR MA DZ TN RU TR YE PK Cc GG AZ Nv Ord AM IR Fa Hz Ss Kd Bjr Zj Bne Mrv Lo Snj Ab Oru Mak Hz B-A Chh AF IQ IL Pa SA LB SY JO Sn EG ER PK Cp IN 05 06 08 09 13 18 24 25 30 33 36 42 44 47 50 51 58 65 69 73 76 05A 30B 30Be 30Bi 30Bj 36D 36Db 44E 44Eh 47D 58G 58N 65D 65F 65Fp 65Fz 65L 65Lb 65N 65Np2 65Nm 73C 73Cd 76D 76Dd
142. **Euxoa (s.str.) conspicua (Hübner,[1824])** (Noctuidae) Synonym(s): *conspicua* Hübner,[1824]; *agricola* Boisduval,1829; *lycarum* Herrich-Schäffer,1846; *abdita* De Joannis,1891; *#indistincta* Strand,1915; *osthelderi* Corti,1931; *complicata* Corti,1931. Range (in codes): PT ES FR Co IT RO YU BG GR TR Arr GG Akh Smt Bjo Tbl Lag Cc AZ Kir Hkd RU Ro Kr St Kc Kb Nt Ich Ing Da Kyi MD UA BY MN KG Tks Ssn Na Tk Dj KK TrA UZ IR Ab Ak Mz Th Kd Ha Fa Ss Kh Ke Ha Mz Enz CN Ui Ku Ii Kml AF Blh Arh Srb IQ Tkr LB Bsa PK IN Hp Sb SY CY Nv Ord Da Der Kus Oru Khy Mar Gls 01 03 04 05 06 13 18 24 25 30 33 36 38 42 44 45 46 50 51 58 60 62 65 66 70 71 75 76 01K 03E 04C 05A 06R 06Rb 06Rk 06Y 06Yb 13A 13B 13C 13G 13Gü 13Gw 18F 25A 25C 25Ca 25R 30D

- 30Dc 36F 38C 38Cb 38G 38Ga 42R 42Rc 44I 45P 50G 50Ga 50Gb 50Gc 51B 51Ba 58G 58N 58R 60C 62G 65D 65Dh 76C 65D 65Ds 65Du 65F 65Fa 65Fg 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl 65L 65Lb 65N 65Np2 65Nm 66P 75E
143. **Euxoa (s.str.) homicida (Staudinger,1900)** (Noctuidae) Synonym(s): *homicida* Staudinger,1900; *#homicia* Hacker & Kautt,1999. Range (in codes): IT Si RO GR Cr TR Cc IR Kh Fa Ke Ha Ss Elb Kdv Dam Kdj Kd Lo Hz Th Mz Gls TM Kp AF Hr Gbh Arh Srb PK KK Ax CN Ui Kl Kno Ts KG Tk TrA TJ Pm 04 05 06 07 13 18 24 25 29 30 32 36 40 42 44 46 50 51 58 60 62 65 66 71 04C 04D 04Da 05A 05G 06Y 06Yb 07A 13G 13Gü 13Gw 18F 18I 24L 25A 25C 25Ca 25R 29F 30D 30Da 30Db 32F 36D 36Dd 36F 40D 42D 42R 42Rb 42Rc 44E 46L 50G 50Ga 50Gb 50Gc 50Gd 51B 51Ba 58G 58N 58R 60C 62G 65G 65Ge 65K 65Kl 65N 65Np2 65Nm 66P 68B 68H
144. **Hadena (s.str.(Albimaculia)) gueneei (Staudinger,1901)** (Noctuidae) Synonym(s): *gueneei* Staudinger,1901; *guenei* Hampson,1905 Range (in codes): IT B-H HV MK GR CY TR IL Pa AZ AM Cc IR Lo Kh Elb Th Plr Kz Yas Fa IQ TM 01 03 04 06 08 12 13 16 18 24 25 30 31 33 36 42 46 47 50 58 65 66 71 80 06K 06Kb 06R 13G 13Ge 16A 30B 30Bg 30Bh 30Bj 36D 58N 65D 65F 65Fa 65Fr 65Fp 65Fz 65G 65Ge 65N 65Np6 65Nm
145. **Hadena (s.str.(Magnolihadena)) magnolii (Boisduval,1828)** (Noctuidae) Synonym(s): *magnolii* Boisduval,1828; *nummosa* Eversmann,1844. Range (in codes): MA PT ES An FR Co Si IT DE CH AT SK HU RO YU HV AL MK BG GR Cr TR TM IR By Yas Es Fa Lo Ha Elb Th Dam Kd Kh Cc GG Tbl Smt Bjo Mng AZ Kir AM LB Bsa UZ N-A KK KG RU Ro St Kb Nt Ing Da Sb At UA PK Ch Hu 01 04 05 06 09 13 14 18 24 25 29 32 33 36 42 46 49 50 51 58 65 66 05A 06R 06Rb 13G 13Gü 13Gw 42R 58R 65D 65Du 65F 65Fr 65Fp 65Fz 65Fm 65K 65N 65Np 65Np1 65Nm
146. **Hadula (Calocestra (Hadumendax)) mendax (Staudinger,1879)** (Noctuidae) Synonym(s): *mendax* Staudinger,1879 Range (in codes): MK BG GR TR Cc AM AZ Nv IL Pa LB IR Ab Oru 01 05 06 07 13 16 18 20 24 25 27 29 30 31 33 36 37 38 42 46 49 50 51 56 58 60 65 66 70 05A 06R 06Ra 16A 25F 31K 31Ka 33G 50G 50Gb 56F 56Fs 58N 58R 65F 65G 65Ge 65N 65Np 65Np1 65Np2 65Nm
147. **Hecatera cappa (Hübner,[1809])** (Noctuidae) Synonym(s): *cappa* Hübner,[1809] Range (in codes): MA DZ ES FR Sa Si IT MT CZ SK HU RO YU AL BG GR Cr TR Cc GG Smt Bjo AM IR Fa Lo LB RU Ro St Kb Ich Kyi Da At MD UA BY LB Bsa CY JO IL Pa 05 06 16 17 18 25 36 40 42 51 58 62 65 05A 16A 65F 65Fa 65N 65Np6 65Nm
148. **Hecatera spinaciae (Vieweg,1790)** (Noctuidae) Synonym(s): *#dysodea* [Denis & Schiffermüller],1775; *spinaciae* Vieweg,1790; *ornata* De Villers,1789; *chrysozona* Borkhausen,1792; *ranunculina* Haworth,1809; *caduca* Herrich-Schäffer,[1851]; *innocens* Staudinger,1871; *subflava* W. Warren,1910. Range (in codes): PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc SE LT RU MD UA BY IR Fa By Yas Lo Ss Kh Ke Ha Ab Elb Dam Kd Zj Sse IQ Bgd Agh LB Bsa IL Hf Pa JO Sn CN Ui Ku Ii AF Hr Blh Gbh Srb Kab Ch Gs KG Ssn Mn TJ Pm Chr UZ TM Fe KK Ik Hp Ro Kr St Kyi Da CY GG AZ Tbl Bjo Mng Kir Lag Nv Ord Sdt Mrv Bne Zj 01 04 05 06 07 13 14 16 18 20 24 25 32 33 36 46 50 51 58 60 62 63 65 66 76 05A 13B 13C 13Cy 16A 25F 58N 65F 65Fa 65Fr 65Fp 65Fz 65G 65Ge 65K 65N 65Nc 65Kp 65L 65Lb 65N 65Np6 65Nm 76C
149. **Heliothis nubigera Herrich-Schäffer,[1851]** (Noctuidae) Synonym(s): *nubigera* Herrich-Schäffer,[1851]; *perigeoides* Moore,1881; *deserta* Sohn-Rethel,1929; *minutier* Thurner,1938. Range (in codes): Cn DZ PT ES Mu FR Co Sa Si IT MT GB NL DE CH AT PL SK HU RO YU AL BG GR Cr TR CY FI RU Cc AZ Nv Ord Len Ro St Kb Nt Da MD UA BY IR Lo Hz Ss Kh Elb Th Dam Kdj Ak Mrd AF Hr Gbh Arh Dwe Srb Fz LB Bei Bsa IN Hp Dlh IQ Agh Amr Mj Dy SO IL Pa SY Hf JO Sn TM Kp Gls 01 04 07 10 18 20 25 33 35 42 46 47 50 51 58 65 76 07C 65G 65Ge 65N 65Np 65Np1 65Nm 76C
150. **Heliothis peltigera ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *peltigera* [Denis & Schiffermüller],1775; *alpheia* Cramer,1780; *florentina* Esper,[1788]; *charmione* Stoll,1790; *straminea* Donovan,1793; *insulata* Navas,1924. Range (in codes): MA DZ Cn PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR DK SE FI EE LV LT RU MD UA BY IR Mz Fa Ke Lo By Yas Hz Ss Kh Ha PK Bl Qu IQ Mj JHa Amr Agh Kq Dk AF Hr Gbh Kab Srb Arh Dwe Bark Fz LB Bsa IN Dlh Hp NP JO Sn IL Pa Hf Dam Kdj Elb Th Ak Mrd Mia Kz Yas Km Kd Snj Hz B-A Maz Gls Kh GG AZ AM Cc KK TrA TM Kp UZ KG Ro Kr St Kb Kc Nt Ing Da CV MM Kba Tbl Smt Bjo Lag Bku Nv Ord 01 05 06 07 08 09 13 16 18 20 21 24 25 27 30 31 33 35 36 38 42 45 46 50 51 56 58 63 65 66 73 75 80 05A 09K 09Ka 13A 13G 13Gö 13Gg 13Gg 16A 18F 21N 21Nb 21Nc 21Nh 30D 30Df 33E 56F 56Fo 58N 63D 65D 65Dda 65Dl 65Du 65E 65Eb 65Ec 65Ed 65F 65Fa 65Fg 65Fp 65Fr 65Fz 65G 65Ge 65K 65Kb 65Kl 65N 65Np 65Nr4 65Nr7 65Nm 73A 73Aa 73D 73Da 73Df 73Dfc 75F 75Fa
151. **Hoplodrina ambigua ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *ambigua* [Denis & Schiffermüller],1775; *plantaginis* Hübner,[1813]; *uniformis* Swinhoe,1885 Range (in codes): MA DZ TN LY? PT ES Mu FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR Cc CY IQ DK SE EE LV LT RU Ro Kr St No Ich Ing MD UA BY AF Srb PL BI Qu IR Fa By Yas Ke Gh Elb Mz Th Kdj Gls EG TM CN Ui TJ IL Hf Pa SY JO LB Bsa UZ N-A KK T-S GG Smt Bjo AZ Kir 01 05 06 08 09 10 13 17 18 20 21 23 24 25 27 31 32 33 34 35 36 37 38 39 42 45 46 48 50 51 56 58 64 65 69 80 05A 06E 06Ea 06R 06Rb 06Rq 06Y 06Yb 13G 13Gg 13Gf 21N 21Nh 46G 56F 56Fv 58G 65D 65Du 65F 65Fa 65Fp 65Fr 65Fm 65Fg 65Fz 65K 65Kl 65L 65Lb 65N 65Nc 65Np 65Nm
152. **Lacanobia (Dianobia) thalassina (Hufnagel,1766)** (Noctuidae) Synonym(s): *thalassina* Hufnagel,1766; *humeralis* Haworth,1809; *achates* Hübner,[1813]. Range (in codes): PT ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI EE LV LT RU Ro Kr St Kb Nt Ich Ing Da At MD UA BY MN Ur Cc AM Sb Am Prj Us CN Ui Ii KK Ik IR Elb Th Kdj 01 05 06 08 18 25 32 36 39 50 65 66 75 65F 65Fg 65Fp 65Fz 65N 65Np 65Nm 75E
153. **Megalodes eximia (Freyer,1845)** (Noctuidae) Synonym(s): *eximia* Freyer,1845 Range (in codes): GR TR Cc GG AM RU Da IR Fa Ab Oru Ak Shf Mak Ksh Km Kd Sqg IQ IL Js Pa JO LB Bei 01 05 07 10 13 21 24 25 27 30 33 36 42 46 47 49 50 62 63 65 66 73 05A 13G 21N 21Nb 30B 30Bd 33E 65D 65Dm 65Dl 65Dlc 65Du 65Dx 65E 65F 65Fp 65Fz 65N 65Nc 65Np6 65Nm 73E 73Eb
154. **Mesoligia literosa (Haworth,[1809])** (Noctuidae) Synonym(s): *literosa* Haworth,[1809]; *erraticula* Hübner,[1813]; *onochyna* Herrich-Schäffer,1856; *subareta* Staudinger,1898; *faroulti* Rothschild,1914; *powelli* Oberthür,1918; *hispanica* Heydemann,1942; *minorasia* Rezbanyai-Leser,1998; *siciliana* Rezbanyai-Leser,1998 Range (in codes): MA DZ ES FR Si IT IE GB BE NL CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI EE LV LT RU Ro St Kb Kr Nt Ich Ing Da MD UA BY IR Fa Th Kh KuB Zj Mz Elb Dam Snj Kd Mrv Lo Mia IQ AF IL Pa Js Hf SY UZ AZ AM GG

- Cc IQ LB Bei TJ Pm KK Ax TrA 03 06 07 08 24 25 30 36 38 42 50 51 58 62 65 66 69 75 06A 06Aa 30B 30Bc 30Bci 38G 38Ga 42B 58G 65F 65Fa 65N 65Np2 65Nm
155. **Mythimna (Aletia) vitellina (Hübner,[1808])** (Noctuidae) Synonym(s): *vitellina* Hübner,[1808]; *#vitellena* Lederer,1870; *decolorata* Dannehl,1929; *saturator* Dannehl,1929; *grisea* Dannehl,1929. Range (in codes): Cn MA MR DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IQ Brs Ry Rwx Dia Agh DK RU At MD UA BY PK Ch NP IN Pj Kul CN IR Lo Es Ha Kh Fa Mz Elb Th Kdj AF Hr UZ Fe KK Ik TM KG TJ CY AZ Bak GG Cc LB Bsa SY JO IL Pa T-A Kp N-A Br Ro Kr St Kc Kb Nt Ing Ich Da Tbl Smt Bjo Bku Kir GlS 01 03 05 06 07 08 09 13 16 17 18 21 22 23 24 25 27 28 29 30 31 33 34 35 36 37 39 42 44 45 46 48 50 51 52 56 58 62 63 65 73 75 76 80 05A 06E 06Ea 06R 06Rb 06Rq 06Y 06Yb 13A 13Ab 13G 13Gü 13Gw 16A 21N 21Nb 21Nh 30D 30Dx 33G 36D 36Db 44E 44Eh 48L 56F 56Fa 56Fh 56Fo 56Fv 58G 63D 65D 65Dl 65Dlc 65Ds 65F 65Fa 65Fb 65Fc 65Fd 65Fg 65Fi 65Fj 65Fm 65Fr 65Fp 65Fu 65Fz 65G 65Ge 65K 65N 65Ne 65Nc4 65Kd 65Kg 65Kl 65Kp 65Ku 65L 65Lb 65N 65Nm 65Np 65Np1 73D 73Db 75F 75Fe 76A 76Ac 76B 76Bb
156. **Noctua (Paranoctua) comes (Hübner,[1813])** (Noctuidae) Synonym(s): *orbona* Fabricius,1787 *nec* Hufn.,1767; *comes* Hübner,[1813]; *adsequa* Treitschke,1825; *prosequa* Treitschke,1825; *bergensis* Sp.-Schn.,1901. Range (in codes): MA DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT IR Lo Ke Fa Enz Gh Ab Kz Km Kd Lo Mz GlS Elb Kh IQ SY LB Bsa IL Hf Pa JO AM GG Tbl Cc RU Ro Kr St Kb Da Der 01 05 06 07 08 09 10 11 13 16 22 30 31 33 39 42 43 45 46 56 59 63 65 73 01K 05A 06R 06Rb 11E 13A 13Ab 13C 13Cd 13G 13Gg 13Gü 13Gw 16A 30B 30Bc 30Bc1 30Bd 30D 30Dx 42B 56F 56Fo 59D 63D 65D 65Dn 65F 65Fb 65Fp 65Fz 65K 65Kd 65Kg 65N 65Ne 65Nc 65Np 65Np1 65Nm 73D 73Db
157. **Noctua (s.str.) pronuba (Linnaeus,1758)** (Noctuidae) Synonym(s): *pronuba* Linnaeus,1758; *connuba* Hübner,[1822]; *innuba* Treitschke,1825; *hoegei* Herrich-Schäffer,1861; *nigra* Krausse,1912 *nec* Piesz.,1908; *decolorata* Turati,1923. Range (in codes): MA DZ TN LY EG PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR DK NO SE FI EE LV LT RU Nov Sr MD UA Cm BY IR Fa Mz Gh Elb Th Kd Bu Dlk IQ Agh Dy Kbl Kro AF PK IN GG Tbl Bjo AZ Kir AM Cc Sb Ur LB Bsa IL Hf Pa JO Sn Az Cn UZ Br Ro Kr St Kc Kb Nt Ing Kyi Da Tbl Smt Bjo Lag Kir Bne GlS 01 04 05 06 07 08 13 14 16 18 21 24 27 28 33 34 35 36 39 42 43 44 45 46 50 51 56 58 59 60 61 62 63 65 71 73 01A 01N 01L 01La 05A 06D 06Da 06R 06Ra 06Rb 13G 13Gg 16A 21N 21Nb 36D 36Db 42B 42D 44E 44Eh 56F 56Fa 56Fh 56F6 58G 59D 63D 65D 65Dl 65Dlc 65F 65Fa 65Fb 65Fp 65Fz 65Fu 65Fm 65Fr 65K 65Kd 65Kp 65N 65Np 65Np1 65Nm 73D 73Db
158. **Omphalophana antirrhinii (Hübner,[1803])** (Noctuidae) Synonym(s): *antirrhinii* Hübner,[1803] Range (in codes): ES FR Si IT DE AT PL CZ SK HU RO YU AL BG GR TR IR Elb Th Fa Lo Kz Yas UA Lo IQ LB Bsa IL Pa Hf JO GG Lag AZ AM Cc RU Ro Ing Da Der 05 06 16 17 18 24 25 33 35 42 45 46 50 51 58 60 63 65 76 05A 16A 33G 58G 58N 65D 65Dlc 65Ds 65F 65Fa 65N 65Np 65Np2 65Nm 76C
159. **Orthosia (s.str.) incerta (Hufnagel,1766)** (Noctuidae) Synonym(s): *incerta* Hufnagel,1766; *instabilis* [Denis & Schiffermüller],1775; *collinita* Esper,[1790]; *contracta* Esper,[1790]; *trigutta* Esper,[1790]; *nebulosus* Haworth,1803; *subsetaceus* Haworth,1803; *angustus* Haworth,1803; *fuscatus* Haworth,1803; *pallida* Lampa,1885 *nec* Hw.,1809; *pallidior* Staudinger,1901 *nec* Stgr.,1888 Range (in codes): MA PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr TR DK NO SE FI EE LV LT RU GG Smt Bjo Lag Cc Ro Kr Nt Da Sb At MD UA BY CN Ui Ku KK Ik Ax Fe UZ KG DsA JP IN Pj Hp Sml IQ CY LB IR Elb Th 03 04 06 07 09 15 31 32 34 42 43 46 50 58 65 06R 06Rb 06Rq 34A 65D 65Dlc 65F 65Fp 65Fu 65N 65Np 65Np2 65Nm
160. **Pamparama acuta (Freyer,[1837])** (Noctuidae) Synonym(s): *acuta* Freyer,[1837]; *producta* Lederer,1857; *pygmaea* Staudinger,1871. Range (in codes): GR TR LB Bei IQ Cc AM AZ CY IL Pa Js JO IR Th Elb Kdj Ab Hz B-A 02 06 07 09 16 21 23 30 32 33 34 35 38 42 46 50 51 56 63 65 06C 06Cb 06Y 06Yb 07C 07Cc 21N 21Nh 23I 16A 30B 30Bd 33G 38H 50G 50Ga 51D 51Da 56F 63E 65N 65Np 65Nm
161. **Periphanes delphinii (Linnaeus,1758)** (Noctuidae) Synonym(s): *delphinii* Linnaeus,1758; *darollesi* Oberthür,1876; *delphini* Hampson,1903. Range (in codes): MA TN DZ ES FR IT GB NL DE CH AT PL CZ SK HU RO YU BG GR TR GG Smt Akh Cc AM LV LT RU Ro St Ich Kyi Da Ur MD UA BY IR Fa S Elb Th Dam Ab Mak IQ TIH AF Hr UZ Fe KK KG TJ UZ N-A SY IL Pa 01 04 05 06 07 18 22 23 24 25 32 36 42 44 46 50 51 58 60 65 66 76 04H 04Ha 05A 36D 36Db 58N 65H 65N 65Ne 65Np6 65Np 65Nm 76B 76Bb
162. **Periphanes victorina (Sodoffsky,1849)** (Noctuidae) Synonym(s): *victorina* Sodoffsky,1849 Range (in codes): RO YU BG GR TR GG Cc RU St Da AZ Nv Ord Der 05 06 08 14 15 16 18 23 24 25 30 32 33 46 50 51 55 56 58 65 69 70 05A 06C 06Cb 06R 06Y 06Yb 14E 30B 30Bd 30Bh 51D 55F 56F 56Fa 58G 58N 65D 65Dl 65Ds 65Dx 65F 65Fa 65N 65Np6 65Nm
163. **Rhyacia (s.str.) simulans (Hufnagel,1766)** (Noctuidae) Synonym(s): *simulans* Hufnagel,1766; *tristis* Fabricius,1775; *pyrophila* [Denis & Schiffermüller],1775; *radicea* Esper,[1789]; *obscurata* Staudinger,1901; *augurides* Rothschild,1914 Range (in codes): DZ MA TN PT ES FR Co Sa Si IT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR GG Tbl AZ Kir AM Cc TR Arr LB Bsa DK NO SE FI EE LV LT RU Ro Kr St Kb Nt Ich Ing Kyi Da Sb At To MD UA BY UZ Fe KK Ik CN Ui li 01 04 06 17 22 33 46 50 58 65 76 01K 06R 06Rq 33G 58G 65N 65Np6 65Nm
164. **Sideridis (Luteohadena) luteago ([Denis & Schiffermüller],1775)** (Noctuidae) Synonym(s): *luteago* [Denis & Schiffermüller],1775; *brunneago* Esper,[1804]; *nigrescens* Wagner,1926 (*praeocc.*); *ottomana* Koçak,1990. Range (in codes): FR AD Co Si IT MT GB DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd FI LV LT RU Ro Kr St Kb Nt Ich Ing Da MD UA BY TR IR Fa Kh Elb Th IQ LB Bsa SY GG Tbl Bjo Smt Kir Cc AZ AM KK KG 04 05 06 07 08 11 13 18 21 24 25 29 30 33 36 37 42 49 50 58 60 61 65 73 05A 11A 13G 13Gg 13Gw 13Gs 50G 65D 65Dh 65F 65Fc 65Fg 65Fm 65Fr 65Fz 65G 65Ge 65L 65Lb 65N 65Np6 65Nm 73A 73Ab
165. **Simyra dentinosa Freyer,1839** (Noctuidae) Synonym(s): *dentinosa* Freyer,1839; *leucaspis* Fischer v. Waldheim,1840; *zeliha* Kornosor & Lödl,1990 Range (in codes): RO MK AL BG GR RU Ro Kr St Nt Da MD UA TR Cc GG IL Pa LB SY Dms Hal JO IQ IR Ss AF Hr TM 05 06 20 21 25 26 30 33 34 38 42 46 50 56 58 60 62 65 76 05A 21N 21Nh 30B 30Bd 38H 56A 56F 56Fv 65D 65Dlc 65Ds 65Dt 65Dy 65F 65Fb 65F1 65Fm 65Fp 65Fr 65Fu 65Fz 65K 65Kz 65Kg 65N 65Ne 65Nm 65Np 76B 76Bb
166. **Spodoptera exiguum (Hübner,[1808])** (Noctuidae) Synonym(s): *exigua* Hübner,[1808]; *fulgens* Geyer,[1832]; *pygmaea* Rambur,1834; *junceti* Zeller,1847; *caradrinoides* Walker,1856; *flavimaculata* Harvey,1876; *venosa* Butler,1880; *sebghana* Austaut,1880; *antipodea* W.Warren,1914; *protector* De Laever,1985. Range (in codes): TN PT

ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG AZ AM Cc DK NO SE FI EE LV LT RU MD UA BY CY LB Bsa IQ Agh Bgd Qr Amr KW PK Bl Qu AF Hr Gbh Srb Arh Dwe Kab ZA Gau Pre Tva Nta Kzu Dbn Est ZW IL Hf Rd Pa IR TH Fa Lo By Kz Yas Ke Hz B-A Ss Ha Kh Ab Oru Mz Elb Dam Kdj Kh Gh Bu Dlk Ro St Kb Nt Ich Ing Da ET ET24 CV Az Md Cn Hw CA US Cp Rw 01 05 07 08 13 14 16 17 18 21 25 27 29 30 31 32 33 36 38 42 43 45 46 50 51 52 56 58 63 64 65 69 05A 13A 13B 16A 21N 21Nc 33G 56F 58N 63D 65D 65F1 65Fz 65N 65Nc 65Nc4 65K 65Ku 65Kp 65L 65Lb 65N 65Np1 65Nm

167. **Tyta luctuosa** ([Denis & Schiffermüller],1775) (Noctuidae) Synonym(s): *luctuosa* [Denis & Schiffermüller],1775; *italica* Fabricius,1781; *atra* Goeze,1781 nec Linn.,1767; *astroites* Fourcroy,1785; *maculosa* Villers,1789
Range (in codes): MA DZ PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR GG AZ Len AM Cc CY IL Pa Hf LB SY JO IR Ab Oru Jal Fa Es Ha Kh Elb Mz Dam Th Ab Km Kd DK SE FI EE LV LT RU MD UA BY At KG Tks Tk Dj KK Ik TrA Osh UZ CN Ui Kun Ku AF IQ Agh Ro Kr St Kb Nt Ich Kyi Da Sdt Bjr Zj 01 04 05 06 07 08 11 13 14 16 17 18 22 23 25 30 32 33 34 35 36 38 42 44 50 51 58 60 61 62 63 65 66 67 69 70 71 75 76 05A 06R 06Rd 13G 13Gy 16A 33G 36D 36Db 44E 44Eh 58N 60G 63D 65D 65Dl 65Dlc 65Dt 65Du 65F 65Fç 65Fz 65K 65Kp 65N 65Nc 65Np6 65Nm 65Kl 65M 65Mc 65Md 75F 75Fb 76A 76Ac 76B 76Bf 76Bh 76D 76Dd
168. **Xestia (Megasema) c-nigrum** (Linnaeus,1758) (Noctuidae) Synonym(s): *c-nigrum* Linnaeus,1758; *nunatrum* Esper,[1786]; *singularis* Esper,[1786]; *degenerata* Staudinger,1889; *depravata* A.Bang-Haas,1912; *kurilana* Bryk,1942; *ignorata* Eitschberger,1972. Range (in codes): PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc DK NO SE FI EE LV LT RU Sb MD UA BY IR Kh Gh Elb Mz Kdj KK Ax Ik UZ N-A CN Ui Ku Ga Sz T-T IN Hp Drm Kul NI SI Up Bhi Nnt Kil PK Pj Cp KP KR JP CA Nsc US Ny Iln MX GG AZ Ro Kr St Kb Kc Nt Ich Ing Da Kyi Smt Bjo Tbl Kir Lag Swa Sgl Yek 05 13 28 34 36 50 51 56 58 60 61 65 75 05A 13G 13Gü 13Gw 36D 36Db 56F 56Fa 58G 61K 61Ka 65F 65Fj 65Fr 65Fp 65Fz 65G 65Ge 65K 65Kp 65L 65Lb 65N 65Np6 65Nm 75F 75Fb



Fig. 86 – *Abrostola agnorista* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 30 5 2014, M.Kemal (Cesa)



Fig. 87 – *Acronycta megacephala* (Noctuidae), at rest; nocturnal Gören Mt. 65Np6, 30 5 2014, M.Kemal (Cesa)



Fig. 88 – *Agrotis exclamationis* (Noctuidae), at rest; nocturnal Gören Mt. 65Np, 24 5 2014, M.Kemal (Cesa)



Fig. 89 – *Autographa gamma* (Noctuidae), at rest; diurnal & nocturnal. Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 90 – *Behounekia freyeri* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014, M.Kemal (Cesa)



Fig. 91– *Chersotis fimbriola* (Noctuidae), lichenophil, while the preference of resting place. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)



Fig. 92 – *Cleonymia opposita* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014, M.Kemal (Cesa)



Fig. 93 – *Cleonymia opposita* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 24 5 2014, M.Kemal (Cesa)



Fig. 94 – *Cucullia* sp. (Noctuidae), at rest; nocturnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 95 – *Drasteria caucasica* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 24 5 2014, M.Kemal (Cesa)



Fig. 96 – *Eublemma (albida-gr.) gratissimum* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)



Fig. 97 - *Eublemma (Glossodice) polygrammum* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014, M. Kemal (Cesa)



Fig. 98 - *Eublemma pallidulum* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014, M. Kemal (Cesa)



Fig. 99 - *Hadena gueneei* (Noctuidae), lichenophil, while the preference of resting place; nocturnal. Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)



Fig. 100 - *Hadula (Caloestra) mendax* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014, M.Kemal (Cesa)



Fig. 101 – *Hecatera cappa* (Noctuidae), lichenophil, while the preference of resting place; nocturnal. Gören Mt. 65Np, 30 5 2014, M.Kemal (Cesa)



Fig. 102 – *Megalodes eximia* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 30 5 2014, M.Kemal (Cesa)



Fig. 103 – *Mythimna vitellina* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 30 5 2014, M.Kemal (Cesa)



Fig. 104 - *Omphalophana antirrhini* (Noctuidae), at rest; nocturnal, lichenophil. Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)



Fig. 105 - *Periphanes delphinii* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)



Fig. 106 - *Periphanes victorina* (Noctuidae), nocturnal. Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)



Fig. 107 – *Simyra dentinosa* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np, 23 4 2014, M.Kemal (Cesa)



Fig. 108 – *Simyra dentinosa* (Noctuidae), caterpillars feed on *Euphorbia* (Euphorbiaceae) and are gregarious in earlier stages. Gören Mt. 65Np, 23 5 2014, M.Kemal (Cesa)



Fig. 109 – *Xestia c-nigrum* (Noctuidae), at rest; nocturnal. Gören Mt. 65Np6, 30 5 2014, M.Kemal (Cesa)

Notodontidae (3)

- 169. Cerura (s.str.) vinula (Linnaeus,1758)** (Notodontidae) Synonym(s): *vinula* Linnaeus,1758; *minax* Hübner,[1803]; *teberdina* Kornejev,1939 Range (in codes): ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR GG Smt Bjo Mng Lag AM AZ Kir Cc TR DK NO SE FI EE LV LT RU Kb Teb MD UA BY IQ Agh IR Ab Oru Ak Shf Kh AF Nu Bsg Kab CN Ui Khr Um 03 06 07 12 13 15 16 24 25 30 31 32 33 34 35 36 42 43 45 46 49 56 58 60 62 64 65 03A 03Aa 04E 04Ea 04I 06R 06Ra 06E 06Ea 07C 13G 13Gw 13Gs 25F 30Bd 30Bh 30D 30Da 31A 31Aa 33F 36D 36F 42D 42J 49E 49Ea 56F 58G 58N 60C 62G 64F 65D 65Dj 65F 65Fg 65N 65Np1 65Nm
- 170. Dicranura ulmi ([Denis & Schiffermüller],1775)** (Notodontidae) Synonym(s): *#ulmi* [Denis & Schiffermüller],1775; *discors* Fabricius,1798; *modica* Dannehl,1929; *istriaca* Bytinski-Salz,1939. Range (in codes): ES FR Co Sa IT CH AT CZ SK HU RO YU AL BG GR TR Cc GG Tbl Aj IR Gl 05 06 16 17 21 32 33 42 43 48 65 71 05A 06R 06Ra 16A 17E 17H 26K 42B 48L 65N 65Nm 65Np 71C 71Cb 71Cc 71D
- 171. Pterostoma palpinum (Linnaeus,1761)** (Notodontidae) Synonym(s): *palpina* Linnaeus,1761; *caudapiscina* Goeze,1783; *salicis* Germar,1812. Range (in codes): PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag Smt Bjo AZ Kir DK NO SE FI EE LV LT RU MD UA BY 06 12 13 16 19 24 25 30 32 36 37 42 46 49 50 56 60 65 06R 06Ra 06Rh 12E 13C 13Cf 13F 13G 13Gw 13Gs 13Gy 16A 19P 24G 25F 30B 30Bd 30C 30Cd 30D 30Da 36D 36Db 36F 37C 42D 42R 46D 49E 49Ea 50G 50Gd 56F 60C 65D 65F 65Fe 65Fp 65Fr 65Fz 65Fg 65N 65Np6 65Nm



Fig. 110 – *Cerura vinula* (Notodontidae), at rest; nocturnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 111 – *Dicranura ulmi* (Notodontidae), at rest; nocturnal. Gören Mt. 65Np, 5 5 2014, M.Kemal (Cesa)



Fig. 112 – *Pterostoma palpinum* (Notodontidae), at rest; nocturnal. Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)

Oecophoridae (4)

A number of specimens of the genus *Pleurota* were observed and collected from the area. For the precise identification of the species genitalic dissections of the males are needed. A separate study on this group is under preparation.

- 172. **Pleurota sp. 1** (Oecophoridae) Range (in codes): **TR 65 65N 65Np 65Nm**
- 173. **Pleurota sp. 2** (Oecophoridae) Range (in codes): **TR 65 65N 65Np 65Np2 65Nm**
- 174. **Pleurota sp. 3** (Oecophoridae) Range (in codes): **TR 65 65N 65Np 65Nm**
- 175. **Pleurota sp. 4** (Oecophoridae) Range (in codes): **TR 65 65N 65Np2 65Nm**



Fig. 113 - *Pleurota* sp. 1 (*Oecophoridae*), at rest; nocturnal & diurnal. Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 114 - *Pleurota* sp. 2 (*Oecophoridae*), in copula; nocturnal & diurnal. Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)



Fig. 115 - *Pleurota* sp. 3 (*Oecophoridae*), at rest; nocturnal & diurnal. Gören Mt. 65Np, 8 6 2014, M.Kemal (Cesa)



Fig. 116 - *Pleurota* sp. 2 (*Oecophoridae*), and larval sack of a *Coleophorida* species. Gören Mt. 65Np, 8 6 2014, M.Kemal (Cesa)



Fig. 117 - *Pleurota* sp. 4 (*Oecophoridae*), resting on a rock lichen; nocturnal. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)

Plutellidae (1)

A number of specimens were collected by day and by night in spring moths. Precisely, they havenot been identified yet.

176. *Plutella* sp. (Plutellidae) Range (in codes): **TR 65 65N 65Nn 65Nm**



Fig. 118 – *Plutella* sp. (*Plutellidae*), during feeding nectar from the flower of *Anthemis* (*Asteraceae*); diurnal & nocturnal. Gören Mt. 65Nn, 23 4 2014, M. Kemal (Cesa)

Pterophoridae (2)

A number of specimens of various genera in the family were collected. For the precise identification of the species, genitalic dissections of the males are needed. A separate study will be published on this group.

177. **Pterophorid sp.-1** (Pterophoridae) Range (in codes): **TR 65 65N 65Np1 65Nm**
178. **Pterophorid sp.-2** (Pterophoridae) Range (in codes): **TR 65 65N 65Nr4 65Nm**



Fig. 119 – A Pterophorid species-1 ; diurnal & nocturnal. Gören Mt. 65Np1, 16 5 2014, M.Kemal (Cesa)



Fig. 120 – A Pterophorid species-2, diurnal. Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)

Pyralidae (37)

179. **Ancylosis (Heterographis) hellenica (Staudinger,1870)** (Pyralidae) Synonym(s): *hellenica* Staudinger,1870; *deliciosella* Caradja,1910 Range (in codes): LY Cy EG EG11 SD SA SA63 MK BG GR CY TR Cc IQ Shq Bgd Mos IL Hf Js Jer Jf Pa JO IR Elb Kj Th Fa Shr Ss Irs Ana Ke Ahz LB Bei Bsa SY Dms TM Kp AF Hr Kab Srb PK Nwf Bl Qu Gg Hu UZ Br 03 06 07 08 09 13 16 21 34 35 41 42 46 56 58 65 76 08H 08Ha 13F 16A 56F 65D 65Du 65Dt 65N 65Np 65Nm 76C
180. **Acrobasis sp.** (Pyralidae). Range (in codes): TR 65 65N 65Np2 65Nm
181. **Arsissa ramosella (Herrich-Schäffer,[1855])** (Pyralidae) Synonym(s): *ramosella* Herrich-Schäffer,[1855]; *albiramosella* Caradja,1916; *caradjaella* Zerny,1939. Range (in codes): TR RU Sr LB Bei IR Elb Th Kdv Kd Fa Ha Zj Kh Shh Ab TM Kp Cc AM AF Hr Kab Kbb Pnj Srb Slg 05 06 13 42 45 46 47 56 58 65 05A 13F 13F6 56F 65D 65Drd 65Dv 65h 65Dt 65Du 65F 65Fp 65Fz 65N 65Np2 65Nm
182. **Bradyrrhoa gilveolella (Treitschke,1833)** (Pyralidae) Synonym(s): *gilveolella* Treitschke,1833 Range (in codes): Si RO YU AL MK BG GR TR IR Ab Cc AM Eri RU MD UA Cm BY KK Na AU 01 05 06 13 16 22 23 29 30 44 51 38 42 44 46 51 56 58 65 71 77 05A 13F 13F6 16A 30B 30Bc 30Bc1 44E 44Eh 44I 44Ic 56F 65D 65Dh 65F 65Fp 65Fz 65N 65Np2 65Np5 65Nr2 65Nm
183. **Chrysocrambus craterellus (Scopoli,1763)** (Pyralidae) Synonym(s): *craterellus* Scopoli,1763; *rorella* Linnaeus,1767; *klimeschi* Toll,1938; *alpinus* Bleszynski,1958; *abruzzellus* Bleszynski,1958. Range (in codes): PT ES FR IT GB BE DE CH AT PL CZ SK HU RO YU AL BG GR RU Ur MD TR Cc Arr CY JO IR Kh LB Bsa 01 05 06 10 13 14 16 22 36 37 38 39 40 46 48 50 58 65 69 71 76 05A 06R 06Rd 10K 13G 13Gg 16A 65D 65Dl 65Dlc 65N 65Nc 65Np1 65Nm
184. **Cynaeda gigantea (Staudinger,1879)** (Pyralidae) Synonym(s): *#gigantea* Wocke,1871; *gigantea* Staudinger,1879 Range (in codes): FR CH HU YU GR Cr TR IQ Hjo Ssa IR Fa Shr Com Sse GlS IL Pa LB Bsa AF Slg Pnj Pag Adr 05 06 13 14 23 38 42 44 46 58 65 05A 13F 13F6 38H 38Hc 44E 44Eh 58G 65D 65Dt 65Du 65N 65Np1 65Nr4 65Nm
185. **Dolicharthria stigmosalis (Herrich-Schäffer,[1848])** (Pyralidae) Synonym(s): *stigmosalis* Herrich-Schäffer,[1848] Range (in codes): PT FR AT HU RO YU BG GR Cr TR RU MD UA BY LB Bsa 01 05 06 16 17 33 35 46 65 80 05A 16A 17C 65N 65Np 65Nm
186. **Ecpyrrhorrhoe diffusalis (Guenée,1854)** (Pyralidae) Synonym(s): *carnealis* Dup.,1831 nec Treit.1829; *diffusalis* Guenée,1854; *affusalis* Guenée,1854; *tenuialis* Mann,1862. Range (in codes): TN ES FR IT CH HU RO YU AL BG GR IL Pa Hf TR IR Fa Shr Com Ss Th Kdj Ha Mz LB Bsa AF Pic Kab Srb Bsg Pag PK Cp AE Cc GG Tbl Bjo AZ Kir Nv Ord 01 05 06 13 16 38 42 46 47 56 60 65 71 73 05A 06R 13F 13F6 16A 56F 65D 65Dv 65Dt 65Ds 65F 65F6 65Fp 65Fz 65N 65Np6 65Nm 73A 73Ad 73Ad2
187. **Ephelis cruentalis (Geyer,[1832])** (Pyralidae) Synonym(s): *cruentalis* Geyer,[1832]; *bourjotalis* Duponchel,1833; *badialis* Treitschke,1835 Range (in codes): FR Si IT YU BG GR Rd Cr TR LB Cc GG Tbl Mng Lag AM AZ IL Pa Hf EG IR Fa Sse Elb Th Kdj Nss Kdv Gor IQ Ry Shq AF Adr Shv Kab KG Slu Syr 01 05 06 12 13 16 25 30 31 33 34 35 36 38 39 44 46 49 56 58 63 65 76 80 05A 06K 06Kb 06R 12E 12Ed 13F 13G 13Gü 13Gw 16A 30B 30Bc 30Bc1 30D 30Dx 36D 36Db 49D 49Db 56F 56F6 58G 58R 58Rb 65D 65Dh 65Dl 65Dlc 65Dt 65Du 65Dv 65F 65Fp 65Fz 65H 65Hb 65K 65K6 65K6 65N 65Np2 65Nm 76C 80E 80Eb
188. **Epischnia christophori Ragonot,1887** (Pyralidae) Synonym(s): *christophori* Ragonot,1887; *#chrystophori* Noack,1960. Range (in codes): Cc TR TM Kp IR LB Bei 06 13 21 46 65 76 13F 13F6 65N 65Np2 65Nm 76C
189. **Epischnia prodromella (Hübner,[1799])** (Pyralidae) Synonym(s): *prodromella* Hübner,[1799]; *#prodromella* Rebel,1939 Range (in codes): PT ES FR Si IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc AM SY IR Shh Gor Mz Elb IL Pa Hf LB CY TM Kp KG Uk RU MD UA BY 01 05 06 08 13 16 32 34 42 46 58 65 05A 08H 08Ha 13F 16A 65D 65N 65Nc 65Nc4 65Nr7 65Nm
190. **Euzophera (s.str.) imperfectella Ragonot,1895** (Pyralidae) Synonym(s): *imperfectella* Ragonot,1895; *xylomorpha* Meyrick,1937. Range (in codes): TR IL Hf Pa IQ Ry Shq IR Fa 13 23 31 46 56 65 13A 13Ab 13F 31F 31M 56F 65N 65Np2 65Nm
191. **Evergestis mundalis (Guenée,1854)** (Pyralidae) Synonym(s): *mundalis* Guenée,1854; *submundalis* Milliere,1882; *permundalis* Marion,1960 Range (in codes): ES FR IT BG? GR TR 13 31 44 65 13F 44E 44Ee 65F 65Fp 65Fz 65K 65Kz 65K6 65N 65Np2 65Nm
192. **Hyperlais dulcinalis (Treitschke,1835)** (Pyralidae) Synonym(s): *dulcinalis* Treitschke,1835 IT HU RO YU BG GR TR IR Ha Avd Kh Elb Kdj Sse LB Bsa Cc GG AZ Bjo Kir Tbl Nv Ord 05 06 13 46 65 70 71 76 05A 06R 13F 65L 65Lb 65N 65Np 65Np1 65Np2 65Nm 76C
193. **Mecyna trinalis ([Denis & Schiffermüller],1775)** (Pyralidae) Synonym(s): *trinalis* [Denis & Schiffermüller],1775; *anienalis* Hartig,1941 Range (in codes): ES Mu FR Si IT AT CZ SK HU RO YU AL BG GR TR Cc IQ Hjo Mos IR Elb Kdv Plr Mz Gor Ha Adv UA Cc GG Bjo MN 05 06 08 13 23 29 30 44 46 61 65 76 05A 06R 06Rb 08H 08Hc 13F 13F6 30B 30Bc 30Bc1 65D 65Dh 65Dt 65K 65Kd 65K6 65K6 65N 65Np2 65Nm 76C 76D 76Dd
194. **Megasis (Tsaraphycis) libanoticella Zerny,1934** (Pyralidae) Synonym(s): *libanoticella* Zerny,1934; *#libanotidella* Osthelder,1934. Range (in codes): LB Bsa TR IR Elb Th Ab Fa 46 65 65N 65Np 65Nm
195. **Metasia (s.str.) supandalis (Hübner,[1823])** (Pyralidae) Synonym(s): *supandalis* Hübner,[1823] Range (in codes): PT ES FR Co Si RO YU AL BG GR Cr TR Cc CY IQ Hjo IR Elb Th Kdj Sse Fa Com GlS 05 06 16 17 34 35 42 45 58 65 71 76 05A 06R 16A 65Kd 65K6 65N 65Np2 65Nm 76C
196. **Myelois (Gnathogutta) luticornella Ragonot,1887** (Pyralidae) Synonym(s): *luticornella* Ragonot,1887 Range (in codes): TR 46 65 65N 65Nr7 65Nm

197. **Myrlaea albistrigata (Staudinger,1881)** (Pyalidae) Synonym(s): *albistrigata* Staudinger,1881 TR Cc LB Bsa IR Elb Mz Kdv Plr Shh IQ Ry Hjo 05 06 13 30 42 46 47 56 65 71 76 05A 13F 13F6 30B 30Be 30Be1 42B 56F 65D 65Dh 65Dt 65F 65Fp 65Fz 65N 65Np2 65Nm 76C
198. **Noctuelia superba (Freyer,[1844])** (Pyalidae) Synonym(s): *superba* Freyer,[1844] Range (in codes): MK TR GG Cc Bjo AM LB IR Elb Shh Ha Kdj Th Fa Kdv IQ AF Shah 05 06 13 21 25 38 42 44 46 58 65 71 05A 06R 06Rd 13F 13G 13Gc 13Gw 13Gs 25A 44A 44Ab 65F 65Fb 65Fc 65Fp 65Fz 65K 65Kz 65Kg 65N 65Np 65Nr4 65Nm
199. **Nomophila noctuella ([Denis & Schiffermüller],1775)** (Pyalidae) Synonym(s): *noctuella* [Denis & Schiffermüller],1775; *hybridalis* Hübner,1796; *indistinctalis* Walker,1859 Range (in codes): MA DZ TN Sfx Elk PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR IQ Bgd Dia Shq Amr Kro Bji IR Ahz Ab Elb Dam Plr Mz Enz LB Bsa Bei SY IL Pa Hf AF Hr Bmu Anj Gz Jla Kot PK Mre DK NO SE FI EE LV LT RU MD UA BY PH TW AE Cp Haz Abb C-P Cte ID IN ZA Sro Qba 01 05 06 08 11 13 14 16 17 21 30 31 32 33 34 35 37 38 39 46 48 55 56 58 60 63 65 71 73 76 80 05A 06R 08H 08Ha 13A 13Aa 13B 13Ba 13F 13F6 13G 13Gö 13Gg 13Gw 13Gü 13Gs 16A 21N 21Nb 21Nc 30B 30Be 30Be1 31A 31H 48L 55F 56D 56De 56F 56Fo 58G 60G 63D 65D 65Da 65Dd 65Dda 65Dh 65Dg 65Dl 65Dlc 65Dr 65Dt 65Du 65Dv 65E 65Eb 65Ec 65Ec 65Ed 65F 65Fb 65Fc 65Fd 65Fp 65Fw 65Fz 65G 65Gf 65Gn 65K 65Kb 65Kc 65N 65Nc 65Nc4 65Kl 65Ku 65Ky 65Ky1 65L 65Lb 65M 65Mc 65Md 65N 65Nk 65Np 65Np1 65Np2 65Nm 73A 73Ac 73Ac2 73D 73Db 73Df 73Dfb 73Dfc 76B 76Bc 80E 80Ea 80Eb
200. **Paracorsia repandalis ([Denis & Schiffermüller],1775)** (Pyalidae) Synonym(s): *repandalis* [Denis & Schiffermüller],1775 Range (in codes): PT ES FR Co Sa IT MT GB BE LU DE CH AT PL CZ SK HU RO YU BG GR Cr TR Cc AZ Nv Ord IR Th Kh Fa TM Kp RU MD UA BY AF Kot Srb Bsg Pag Bm 05 06 13 16 38 42 45 46 65 76 05A 06R 13F 16A 65D 65Dh 65Dg 65Dt 65F 65Fp 65Fz 65N 65Np2 65Nm 76C
201. **Pempelia albariella Zeller,1839** (Pyalidae) Synonym(s): *albariella* Zeller,1839; *dilucida* Staudinger,1879; *persica* Osthelder,1938 Range (in codes): ES FR HV IT Si SK Cm HU RO TR Cc RU Sr IR Fa Sse Kdj Elb Mz Kdv 05 46 65 05A 65N 65Np1 65Nm
202. **Pima boisduvaliella (Guenée,1845)** (Pyalidae) Synonym(s): *boisduvaliella* Guenée,1845; *farrella* J.Curtis,1850; *lafauryiella* Constant,1865 Range (in codes): PT ES FR IT GB BE NL DE CH PL HU RO TR Cc KK Ku Al CN Ui TM Kp DK NO SE FI EE LV LT RU MD UA BY 06 14 17 42 46 50 65 71 76 65D 65Du 65Dv 65Dh 65N 65Np1 65Nm 76C
203. **Psammotis pulveralis (Hübner,1796)** (Pyalidae) Synonym(s): *pulveralis* Hübner,1796 Range (in codes): ES FR Co Sa IT GB NL LU DE CH AT PL CZ SK HU RO YU AL BG GR DK TR IQ Ry LB Bsa NO SE FI EE LV LT RU MD UA BY IR Elb Kdv Gor Shh Fa Sse Ha Yz KG Tk Dj Ii AF Slg Shah Kot Adr Shv Pag 05 06 13 16 42 45 65 71 05A 06R 13F 16A 65D 65Dd 65Dda 65N 65Np7 65Np8 65Nm
204. **Pterothrixidia rufella (Duponchel,1836)** (Pyalidae) Synonym(s): *rufella* Duponchel,1836; *impurella* Duponchel,1836; *squalidella* Eversmann,1842; *contectella* Zeller,1848; *luridatella* Zeller,1848; *infuscatella* Herrich-Schäffer,1849; *tauricella* Wocke,1871; *caucasiella* Ragonot,1888; *corsicella* Ragonot,1893; *orientella* Ragonot,1893; *melanoptera* Rebel,1910; *fordi* Amsel,1954; *rava* Amsel,1954; *osmanella* Amsel,1954; *ancyrensis* Amsel,1954 Range (in codes): PT ES Mu FR Co Sa IT MT CH HU RO YU AL BG GR AM Eri Cc TR RU MD UA BY LB Bsa IR Elb Th Nss AF Pag Fa Sse Elb Th Kdj Kz Com 05 06 13 45 46 47 32 38 58 65 05A 06R 13F 13F6 47D 65D 65Dt 65N 65Np1 65Nm
205. **Pyralis perversalis (Herrich-Schäffer,[1849])** (Pyalidae) Synonym(s): *lucidalis* Eversmann,1844 (*praeocc.*); *perversalis* Herrich-Schäffer,[1849]; *narynensis* Zerny,1914; *rubiginetincta* Caradja,1931; *#naryssensis* Amsel,1961 Range (in codes): CZ HU RO RU Ur MD UA BY TR Cc GG Ord Kir AZ Nv KG Tk Nrk CN Ui Ku IR Elb Mz Kh LB Bsa 13 25 42 65 76 13F 65N 65Np2 65Nm 76C
206. **Pyrasia gutturalis (Staudinger,1879)** (Pyalidae) Synonym(s): *gutturalis* Staudinger,1879 Range (in codes): TR LB Bsa IQ Hjo IR Fa Shr Sse Com Elb Mz 01 07 13 21 45 46 47 56 65 13F 21N 21Nb 56F 56Fa 65D 65Dh 65Ds 65Du 65Dv 65N 65Np6 65Nm
207. **Pyrausta (Haematia) castalis Treitschke,1829** (Pyalidae) Synonym(s): *castalis* Treitschke,1829 Range (in codes): PT ES FR IT CZ HU RO YU AL BG GR RU MD UA BY TR IR Elb Th Fa AZ Cc Nv Ord 05 06 13 16 25 30 37 42 65 71 73 05A 06R 13F 16A 25F 25Fa 65N 65Np2 65Nm 73A 73Ac 73Ac2
208. **Pyrausta (Haematia) despicata (Scopoli,1763)** (Pyalidae) Synonym(s): *despicata* Scopoli,1763; *cespitis* [Denis & Schiffermüller],1775. Range (in codes): PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IQ Rvw Amr DK NO SE FI EE LV LT RU Cc GG CY IR Ab Elb Shh Th Fa Shr Com Ha Plr Kdv Mz AF Hr Bmu Slg Pnj Bda Pic Kab Arh Srb Ca Gbh Adr Fz Khi Pag Pli UZ Fe CN Ui Ju Kml LB Bsa PK Abb Sro Mz 01 05 06 11 13 14 16 17 24 25 32 33 34 42 46 51 55 56 58 65 71 05A 06R 06Rd 13A 13Ab 13F 13F6 13Gö 13Gg 16A 55F 56D 56Dd 58G 58Gg 65D 65Dh 65Du 65Dw 65G 65Gn 65F 65Fc 65Fp 65Fz 65K 65Kb 65Kc 65Kl 65Ku 65Kg 65L 65Lb 65N 65Nk 65Np 65Np7 65Np8 65Nr2 65Nm
209. **Pyrausta (Haematia) virginalis Duponchel,1832** (Pyalidae) Synonym(s): *virginalis* Duponchel,1832; *auroralis* Zeller,1847; *neglectalis* Caradja,1916 Range (in codes): TN Elk Sfx ES Cue FR Co Sa Si IT CH AT SK HU RO YU AL BG GR Cr Rd CY TR Cc AM IQ Hjo Mos Shq IR Fa Shr Sse Th Kdj Elb Mz Kh Srd AF Pnj Kbb Kot Bda 01 05 06 13 16 30 31 32 38 42 58 65 71 73 76 80 05A 06R 13F 16A 30B 30Be 30Be1 31K 31Ka 65D 65Dh 65Ds 65Du 65Dt 65N 65Np6 65Nm 73D 73Df 73Dfc 76D 76Dd 80E 80Eb
210. **Synaphe bombycalis ([Denis & Schiffermüller],1775)** (Pyalidae) Synonym(s): *bombycalis* [Denis & Schiffermüller],1775; *almanica* Rebel,1917. Range (in codes): MA DZ TN ES FR Co IT AT CZ SK HU RO YU RU Sr Tv TR Cc Arr IR Elb Th Nss Kh TM Kp UA AF KK 01 04 06 25 27 30 31 38 44 47 50 58 65 71 76 80 30B 30Bb 30Bk 65F 65Fp 65Fz 65K 65Ks 65N 65Np2 65Nm 80E 80Eb
211. **Synaphe consecratalis (Lederer,1855)** (Pyalidae) Synonym(s): *consecratalis* Lederer,1855 Range (in codes): LB TR Cc SY IR Elb Th IQ Ry 01 06 13 21 27 31 33 46 56 58 65 76 80 06R 06Rd 13G 13Gd 21N 21Nb 31A 46F 46Fe 56F 56Fv 58G 65F 65Fz 65K 65Kb 65N 65Np2 65Np7 65Nm 80E 80Eb
212. **Synaphe moldavica (Esper,[1789])** (Pyalidae) Synonym(s): *moldavica* Esper,[1789]; *netricalis* Hübner,[1813]; *graecalis* Duponchel,1833; *palermitalis* Guenée,1854; *aberralis* Guenée,1854; *italicalis* Hartig,1941;

bertoncinii Hartig,1941; *schmidtii* Hartig,1941. Range (in codes): PT ES Si IT AT SK HU RO YU HV B-H MK AL BG GR Cr IR Gl Kh TR MD UA 05 06 07 10 16 17 22 25 31 32 34 35 38 42 45 46 48 58 65 71 05A 06R 06Rd 10K 16A 31M 46F 46Fc 58G 65K 65Kl 65N 65Nb 65Np 65Np1 65Np2 65Np7 65Np8 65Nr3 65Nş 65Nm

213. **Tegostoma perlepidalis (Guenée,1854)** (Pyralidae) Synonym(s): *#lepidalis* Herrich-Schäffer,[1851]; *perlepidalis* Guenée,1854; *lepidalis* Herrich-Schäffer,[1855]; *#lepidale* Caradja,1917 Range (in codes): TR Cc AM AZ Nv Ord IQ IR Elb Kdj Th Ha Adv Fa Sse Shr AF Kab 05 06 13 42 56 65 71 05A 06R 13F 56F 56F6 65F 65Fo 65Fp 65Fz 65K 65Kd 65Kg 65N 65Np2 65Nm

214. **Udea ferrugalis (Hübner,1796)** (Pyralidae) Synonym(s): *ferruginalis* Rossi,1794 nec Fabr.,1781; *ferrugalis* Hübner,1796; *#ferugalis* Hübner,1796; *martialis* Guenée,1854; *hypatialis* Walker,1859; *testacea* Butler,1879 Range (in codes): DZ MA PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK NO SE FI EE LV RU MD UA BY IL Pa Hf LB Bsa IR Ahz Elb Mz Kdv Dam Plr Gor Kdj Km Th Fa Shr Sse Kh Gh Tgo IQ Dia Bgd Rwz AF Ca Arh Khi Adr Fz Bsg Hr Blh IN LK MM ET JP TW TH CMa Dst Dso9 Cc GG Tbl Lag Len AZ Sok 01 03 05 06 07 13 14 16 17 26 31 32 33 34 35 38 42 44 46 48 56 58 63 65 71 75 76 80 05A 06R 06Rb 13F 13G 13Gö 13Gğ 16A 31K 31Ka 48L 56F 63D 65D 65Du 65Dv 65F 65Fp 65Fz 65K 65Kl 65Ku 65N 65Nc 65Nc4 65Np1 65Nm 75F 75Fb 76D 76Dd 80E 80Eb

215. **Udea praepetalis (Lederer,1869)** (Pyralidae) Synonym(s): *praepetalis* Lederer,1869; *haemopsamma* Meyrick,1937 Range (in codes): IR Ha Adv Fa Th Kdj Elb Kdv Mz Plr Gor Sse TR Cc AZ Nv Ord IQ Ry Slf TM KK CN Ui Kml 04 05 13 25 30 42 46 51 56 58 65 69 71 76 05A 13F 25A 30B 30Bc 30Bc1 56F 56F1 56Fn 65D 65Dl 65Dlc 65Dx 65F 65Fp 65Fz 65H 65K 65Kd 65Kg 65N 65Np2 65Nm 69B 76C



Fig. 121 – *Acrobasis* sp. (Pyralidae), at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)



Fig. 122 – *Bradyrrhoa gilveolella* (Pyralidae), lichenophil, nocturnal. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)



Fig. 123 - *Chrysocrambus craterellus* (Pyralidae), at rest; diurnal & nocturnal. Gören Mt. 65Np1, 21 5 2014, M.Kemal (Cesa)



Fig. 124 – *Hyperlais dulcinalis* (Pyrilidae), at rest; diurnal & nocturnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 125 - *Myrllaea albistrigata* (Pyrilidae), petrophil, lichenophil, nocturnal. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)



Fig. 126 - *Noctuelia superba* (Pyrilidae), at rest; diurnal. Gören Mt. 65Np1, 28 5 2014, M.Kemal (Cesa)



Fig. 127 – *Paracorsia repandalis* (Pyrilidae), at rest; nocturnal. Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)



Fig. 128 - *Psammotis pulveralis* (Pyralidae), at rest; diurnal & nocturnal. Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)



Fig. 129 - *Synaphe consecratalis* (Pyralidae), at rest; diurnal. Gören Mt. 65Np7, 7 6 2014, M.Kemal (Cesa)



Fig. 130 - *Synaphe moldavica* (Pyrallidae), at rest; diurnal. Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)



Fig. 131 - *Synaphe moldavica* (Pyrallidae), at rest; diurnal. Gören Mt. 65Np1, 30 5 2014, M.Kemal (Cesa)



Fig. 132 - *Tegostoma perlepidalis* (Pyralidae), at rest; diurnal & nocturnal. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)

Scythridae (1)

A number of specimens of this family were collected. For the precise identification of the species genitalic dissections of the males are needed. A separate study will be published on this group.

216. Scythris sp. (Scythridae) Range (in codes): **TR 65 65N 65Np 65Nm**



Fig. 133 - A scythrid moth, feeding on the flower of *Achillea* (Asteraceae), diurnal, heliophil. Gören Mt. 65Np, 3 6 2014, M.Kemal (Cesa)

Sphingidae (6)

- 217. *Deilephila suellus* Staudinger,1878** (Sphingidae) Synonym(s): *suellus* Staudinger,1878; *kuruschi* O.Bang-Haas,1938. Range (in codes): TR IR GG Bjo Tbl Lag Cc RU Da KK Ik CN Ui Au Ju IQ LB Bsa 01 04 05 06 07 12 19 25 30 32 42 49 50 58 60 61 65 66 71 01H 04I 05A 06R 06Ra 06Re 19C 30B 30Bg 30Bd 30Bl 30D 30Da 36D 36F 42B 49E 49Ea 58R 60C 61K 61Ka 65F 65Fç 65Fe 65Fz 65G 65Ge 65N 65Np 65Np1 65Nm 66P 71D 71De
- 218. *Hemaris (Cochrania) croatica* (Esper,[1779])** (Sphingidae) Synonym(s): *croatica* Esper,[1779]; *sesia* Hübner,[1806]; *#obscurata* Closs,1911; *#rangnowi* Closs,1911. Range (in codes): IT HU YU HV AL RO BG GR TR IQ IR TM RU Ro Or Ao Sr KG Uk GG Tbl Cc AZ Nv Ord LB Bsa JO IL Pa 05 06 13 16 30 33 42 44 45 46 50 56 60 65 71 05A 06R 06Ra 13F 16A 30B 30Ba 30Bg 30Bd 30Be 30Bh 30Bl 33G 46G 50G 56F 56F1 60C 65D 65F 65Fe 65K 65Kl 65Kz 65Kg 65N 65Nr4 65Nm
- 219. *Hyles conspicua* (Rothschild & Jordan,1903)** (Sphingidae) Synonym(s): *conspicua* Rothschild & Jordan,1903. Range (in codes): TR Cc GG Smt Bjo Tbl JO IL Pa Hf LB Bsa Bei IQ SY Dms IR Elb Th 01 05 06 07 09 10 13 14 15 16 17 20 21 24 25 30 32 33 35 36 42 45 46 47 50 51 56 58 60 63 65 73 76 01H 05A 06R 06Ra 06Re 10C 10D 13A 13Ab 13F 16A 21N 21Nb 24G 25C 25Ca 30B 30Bd 30D 30Da 30Df 36D 51D 47F 47Fa 56F 56Fh 58G 58Gg 60C 63B 65D 65F 65Fb 65Fe 65Fç 65N 65Nc 65Nc4 65Np 65Np1 65Np2 65Nm 73C 73Cd 73D 73Da 76A 76Ac 76B 76Bb
- 220. *Hyles hippophaes* (Esper,[1789])** (Sphingidae) Synonym(s): *hippophaes* Esper,[1789]; *teriolensis* Dannehl,1929; *kiortsii* Koutsaftikis,1974; *#hippophaeas* De Freina,1981 Range (in codes): ES FR Co IT DE CH AT RO YU BG GR TR RU Da Der MD UA BY KG TJ Pm UZ Fe CN Ui Ku Ln MN IR Ch Cc GG Tbl AF Sfk Kab Srb 06 19 23 25 30 36 44 46 50 62 65 71 76 06K 06Kc 19P 23I 25T 30B 30Ba 36F 44L 50G 65D 65K 65Kb 65N 65Np 65Nm
- 221. *Macroglossum stellatarum* (Linnaeus,1758)** (Sphingidae) Synonym(s): *stellatarum* Linnaeus,1758; *nigra* Cosmovici,1892. Range (in codes): Cn MA DZ TN LY EG PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU MK AL BG GR Cr TR IQ SY LB Bsa IL JO DK NO SE FI EE LV LT RU Sr Ur Mo Ao Sb To Am Vv MD UA Cm IR Elb Kh Ke KK KG Uk Ssn Sp TM Krn Kp TJ Pm UZ AF Ca PK Bl Qu CN Ui Kun BY KP KR TW JP Az Md CY Pa Hf K-A Lps Shh Ur Ask Pkn Cm Vl Pt Tt Or Bgd Rd JO Kab Khi Pjr Hrz Cc Mre Ab Qba Oru Ak Shf 01 05 06 09 10 11 13 14 16 17 21 25 31 33 35 36 38 45 46 48 55 56 58 60 63 65 70 71 75 76 01H 05A 06R 06Rd 10D 10K 13A 13Ab 13F 13Gw 13Gü 16A 36D 36Db 38G 38Ga 46F 46Fd 48F 48L 55F 56F 58N

63D 65D 65Dn 65Du 65E 65Eb 65Ec 65F 65Fb 65Fc 65Fd 65Fş 65Fz 65G 65Gs 65K 65Ks 65Kz 65Kğ 65Ky 65Ky1
65M 65Mc 65Md 65N 65Np 65Nm 70C 70Cb 75F 76B 76Bi

222. **Sphingonaepiopsis gorgoniades (Hübner,[1819])** (Sphingidae) Synonym(s): *gorgon* Esper,[1804]
nec Cr.,1777; *gorgoniades* Hübner,[1819]; *chloroptera* von Mentzer,1974. Range (in codes): HV RO AL GR BG UA
Cm RU Ur Or MK Skj AM GG Cc TR LB Bsa IR Ab Ak Elb Th Kh Lo IQ Hjo AF Kab JO IL Pa KK KG TJ UZ Fe
Man 05 16 33 36 46 50 56 60 65 16A 36D 36Db 56F 56Fg 60C 65N 65Np 65Np1 65Np2 65Nm **New record for
the fauna of Van Province!**



Fig. 134 - *Hyles conspicua* (Sphingidae), at rest; nocturnal. Gören Mt. 65Np1, 19 5 2014, M.Kemal (Cesa)



Fig. 135- *Hyles hippophaes* (*Sphingidae*), at rest; nocturnal. Gören Mt. 65Np, 24 5 2014, M.Kemal (Cesa)



Fig. 136 - *Sphingonaepiopsis gorgoniades* (*Sphingidae*), at rest; nocturnal. Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)



Fig. 137 - *Sphingonaepiopsis gorgoniades* (Sphingidae), two males at rest; nocturnal. Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)

Tineidae (1)

- 223. Hapsifera luridella Zeller,1847** (Tineidae) Synonym(s): *luridella* Zeller,1847; *eburnea* Butler,1881; *palaestinensis* Rebel,1901; *baliopsamma* Meyrick,1921; *torulosa* Turati,1919; *cyrenaicensis* Turati,1924; *pustulatella* Lucas,1942 nec Zell.,1852; *kerbelella* Amsel,1949; *asiatica* Amsel,1949; *susaella* Amsel,1959 Range (in codes): MA TN LY Cy EG MK BG GR Cr TR CY LB Bei IL Pa Hf JO IQ Kbl Hjo SA YE IR Ab Oru Kz Ahz Yas Km Sdt Mak Ak Hz Bu Fa Shr Ss Ke Jrf Kaz Das Snj Kd Es Th Kdj Qz Gh Elb Dam UZ TJ PK Krc AF Srb BH Cc GG Lag AM AZ Kir Nv Ord SY Dms 01 05 06 16 21 22 27 31 42 46 65 71 73 76 05A 06R 21N 21Nh 65D 65N 65Np2 65Np6 65Nm 73D 73Df 73Dfc 76B 76Bb 76C

Tortricidae (8)

- 224. Aethes sp.** (Tortricidae) Range (in codes): TR 65 65N 65Np1 65Nm
- 225. Aethes tesserana ([Denis & Schiffermüller],1775)** (Tortricidae) Synonym(s): *tesserana* [Denis & Schiffermüller],1775; *aleella* Sulzer,1776; *heiserana* Fabricius,1787; *groendalana* Thunberg,1791. Range (in codes): PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU HV MK AL BG GR TR SY Hal LB DK SE FI EE LV LT RU Tt Pr IR Elb 05 06 16 36 40 60 65 05A 06F 16A 36D 36Db 60C 65D 65Dd 65Dda 65Dl 65Dn 65F 65Fd 65N 65Np2 65Np5 65Nm
- 226. Aphelia (Zelothereses) ochreana (Hübner,[1799])** (Tortricidae) Synonym(s): *ferugana* Hübner,1793 (homonym); *ochreana* Hübner,[1799]; *shaqlawana* Amsel,1955; *chretieni* Obraztsov,1957 Range (in codes): FR Sa Si IT DE CH AT CZ SK HU RO YU AL BG GR TR IQ Shq SY Hal Cc GG IR Qz Th Kdj 05 13 16 21 30 42 46 56 65 71 73 05A 13Gö 13Gg 16A 21N 21Nb 56F 56Fc 65D 65Di 65Dh 65Du 65F 65Fd 65Fe 65Fç 65Fz 65G 65K 65Kz 65Kg 65N 65Np 65Np1 65Np2 65Nm 73A 73Ak
- 227. Cnephasia sp.** (Tortricidae) Range (in codes): TR 65 65N 65Np 65Nm
- 228. Cydia orobana (Treitschke,1830)** (Tortricidae) Synonym(s): *orobana* Treitschke,1830; *arcigera* Tengström,1847; *strandiana* Fuchs,1901; *persicana* Osthelder,1938 Range (in codes): FR Co Si IT GB BE NL DE CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI EE LV LT RU MD UA KG IR Mz Elb 05 06 16 35 49 65 05A 16A 65F 65Fb 65N 65Np 65Nm
- 229. Fulvoclysia subdolana (Kennel,1901)** (Tortricidae) Synonym(s): *subdolana* Kennel,1901; *subflavana* Amsel,1959 Range (in codes): SY TR Cc AM IQ Hjo IR Kd Bne Ab Oru Ak Qz 01 44 46 65 73 76 01K 44F 44Fa 46G 46L 65K 65Kl 65N 65Np2 65Nm 73C 73Cd 76C

230. **Notocelia uddmanniana (Linnaeus,1758)** (Tortricidae) Synonym(s): *uddmanniana* Linnaeus,1758; *rubiana* Scopoli,1763; *achatana* Hübner,[1799] Range (in codes): ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL GR TR DK NO SE FI EE LV LT RU MD UA BY LB Bei IL Pa SA AZ Len Cc GG IR Mz KG TJ 01 05 06 14 16 21 46 53 58 65 81 05A 16A 58G 58Gb 65N 65Np 65Nm
231. **Tortrix viridana (Linnaeus,1758)** (Tortricidae) Synonym(s): *viridana* Linnaeus,1758; *suttneriana* [Denis & Schiffermüller],1775; *flavipes* Fourcroy,1785; *flavana* Zincken,1821 nec Hübner,[1799]; *coeruleana* Sorhagen,1881. Range (in codes): MA PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ Kir Nv Ord AM Cc GG DK NO SE FI EE LV LT RU Da MD UA Cm BY IQ Hjo IR Fa Elb Kdv By Kz Lo Glb Kh SY Hal 03 05 06 10 12 13 16 17 34 39 42 45 50 56 65 71 75 76 06R 06Rb 12A 12Ab 12Ad 13C 13Cg 13G 13Gg 16A 56F 65D 65Dl 65Dlc 65Dt 65Du 65F 65Fç 65Fz 65Fg 65Fr 65N 65Nc4 65Np2 65Nr2 65Nm 75F 75Fb



Fig. 138 – *Aethes* sp. (Tortricidae), at rest; nocturnal & diurnal. Gören Mt. 65Np1, 19 5 2014, M. Kemal (Cesa)



Fig. 139 - *Aethes tesserana* (Tortricidae), at rest; nocturnal & diurnal. Gören Mt. 65Np5, 30 5 2014, M.Kemal (Cesa)



Fig. 140 – *Aphelia ochreana* (Tortricidae), at rest; nocturnal & diurnal. Gören Mt. 65Np1, 18 5 2014, M. Kemal (Cesa)



Fig. 141 – *Cnephasia* sp. (*Tortricidae*), at rest; nocturnal. Gören Mt. 65Np, 24 5 2014, M. Kemal (Cesa)



Fig. 142 - *Fulvoclysia subdolana* (*Tortricidae*) at rest; nocturnal. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)

Zygaenidae (6)

This family is suprisingly well represented here. Due to the richness of several larval food-plants of *Zygaena* in the tragacanthic mountain steppe, the genus is exemplified here more than seven species. On the other hand, *Adscita* or allied genera are poorly represented here. Species of this group havenot been identified yet.

- 232. *Zygaena (Agrumenia) carniolica* (Scopoli,1763)** (Zygaenidae) Synonym(s): *carniolica* Scopoli,1763; *nigra* Dziurzynski,1909; *transiensnigra* Dziurzynski,1909 Range (in codes): ES FR Si IT BE LU DE Brd CH AT Stm PL CZ SK HU RO Do B-H Sjl HV Zad SS YU MK Skj AL BG Vrn Ppp Slv GR Cr Ve Prn TR IR Elb Mz Dam KG Tk Ii CN Ui UZ LB Ksr Bsa SY Nv Ord AZ AM Alg GG Smt Im Kta Akh Cc LV RU Ur Nt Sr Da Aty Nov Kr Kis Tua MD UA Cm BY 01 04 05 06 07 08 13 14 16 18 22 23 24 25 29 30 31 33 34 35 36 37 38 39 41 42 43 46 58 60 65 66 71 75 76 77 78 01K 05A 06C 06Cb 16A 18F 25E 31M 33G 37E 37Eb 46L 58F 58N 60H 60Hb 65D 65Dda 65Fz 65H 65N 65Np1 65Nm 75F 76C 78D 78Da
- 233. *Zygaena (Agrumenia) loti* ([Denis & Schiffermüller],1775)** (Zygaenidae) Synonym(s): *loti* [Denis & Schiffermüller],1775; *fulvia* Fabricius,1777 Range (in codes): ES FR IT GB BE LU DE CH AT PL CZ SK HU RO YU HV B-H MK AL BG Slv GR TR IR GG Sva Sok Abk Aba Cc AM Eri AZ Nv RU Kb Teb Da Kis MD UA Cm BY 04 05 06 08 12 13 14 18 22 23 25 26 28 29 30 31 32 36 37 38 42 44 46 49 53 58 60 62 65 69 71 75 76 78 05A 06C 06Cb 06K 06Kc 06R 06Rd 06Rk 08G 12A 12Ab 14I 14Ib 23I 32C 36D 36Dd 36F 36Fa 44A 44Ab 46F 46Fd 62E 65D 65Dn 65Dt 65F 65Fb 65Fd 65Fp 65Fz 65K 65Kd 65Kg 65N 65Np1 65Np7 65Np8 65Nr2 65Nm 75F 76C 76D 76Dd 78D 78Da
- 234. *Zygaena (Mesembrynus) cambysea* Lederer,1870** (Zygaenidae) Synonym(s): *cambysea* Lederer,1870 Range (in codes): Cc TR AM Eri AZ Ist IR Mz Th Elb Fa Sse IQ 04 05 13 25 30 58 62 65 73 76 30D 30De 65D 65Dc 65Dd 65Dda 65F 65Fg 65Fp 65Fz 65K 65Ké 65Kg 65N 65Np1 65Nm 76D 76Dd
- 235. *Zygaena (Mesembrynus) cuvieri* Boisduval,1828** (Zygaenidae) Synonym(s): *cuvieri* Boisduval,1828 Range (in codes): TR IR Ab Oru Ha Kd IQ Ama Cc AM Eri SY TM Kp LB Bei Bsa AZ Nv Ord 04 13 29 30 36 44 49 65 66 69 73 76 65D 65Dlc 65F 65Fg 65Fo 65Fp 65Fz 65K 65Kd 65Kz 65Kg 65N 65Np 65Np6 65Nm 76C
- 236. *Zygaena (Mesembrynus) punctum* Ochsenheimer,1808** (Zygaenidae) Synonym: *punctum* Ochsenheimer,1808 Range (in codes): Si IT AT CZ SK HU RO YU AL BG GR Cr Rd TR AZ GG Cc Bjo Smt Akh AM Eri RU Sr 04 05 06 12 13 17 23 33 35 42 44 45 49 51 57 58 60 65 66 70 76 05A 13G 33G 58N 65N 65Np7 65Np8 65Nm 70C 70Cb 70D 70Dz **New record for the fauna of Van Province!**
- 237. *Zygaena (s.str.) filipendulae* (Linnaeus,1758)** (Zygaenidae) Synonym(s): *filipendulae* Linnaeus,1758; *aries* Retzius,1783 Range (in codes): ES Mu FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc GG Bjo GG Abk Sok AZ AM DK NO SE FI EE LV LT RU Kc Teb Nt MD UA Kiw BY IR Ak Ab LB Bei Bsa Aiz 01 05 06 08 10 11 13 14 16 18 22 24 25 28 29 30 31 34 36 37 42 43 44 49 50 53 58 60 61 62 65 66 69 70 75 76 78 05A 06R 06Rb 06Rd 10K 13G 14I 14Ib 31M 36F 50G 61K 65F 65Fe 65N 65Nr6 65Nm 76C 76D 76Da 78D 78Da



Fig. 143 – *Zygaena loti* (Zygaenidae), local and uncommon; diurnal. Gören Mt., 65Np1 8 6 2014, M. Kemal (Cesa)



Fig. 144 – *Zygaena cambysea* (Zygaenidae), in copula. A rare species; diurnal. Gören Mt., 65Np2 25 6 2014, M. Kemal (Cesa)



Fig. 145 – *Zygaena cuvieri* (Zygaenidae), often nocturnal. A rare species. Gören Mt., 65Np6 31 5 2014, M. Kemal (Cesa)



Fig. 146 – *Zygaena punctum* (Zygaenidae). A rare species; diurnal. Gören Mt., 65Np7 15 6 2014, M. Kemal (Cesa)

Other Pterygot Orders

(Figs. 147-273)

Totally 169 taxa of 11 orders are given below. As more than 100 species need precise identification, they are omitted here. See also *Strepsiptera*.

Odonata

(Figs.147-150)

This order is represented here by 6 species of 3 families: *Coenagrionidae* (1), *Cordulegasteridae* (1), and *Libellulidae* (4).

Coenagrionidae (1)

- 238. Enallagma cyathigerum (Charpentier,1840)** (Coenagrionidae) Synonym(s): *cyathigerum* Charpentier,1840 Range (in codes): **TR 06 07 13 14 15 25 26 32 42 45 46 65 69 75 65F 65N 65Np7 65Nm**

Cordulegasteridae (1)

- 239. Cordulegaster insignis Schneider,1845** (Cordulegasteridae) Synonym(s): *insignis* Schneider,1845; *amasina* Morton,1916 Range (in codes): **BG RO GR TR Cc GG Lag AM LB IQ Mos Dk Ama IR Fa 05 10 16 24 33 44 51 47 65 65F 65Fç 65Fz 65N 65Np4 65Nr2 65Nr3 65Nm**

Libellulidae (4)

240. **Libellula depressa** Linnaeus,1758 (Libellulidae) Synonym(s): *depressa* Linnaeus,1758 Range (in codes): TR 01 05 06 07 08 13 14 22 23 24 25 31 34 40 47 59 65 13F 13G 13Gö 13Gğ 31M 65D 65Dç 65Fz 65N 65Nr4 65Nm
241. **Libellula quadrimaculata** Linnaeus,1758 (Libellulidae) Synonym(s): *quadrimaculata* Linnaeus,1758 Range (in codes): TR Cc AM 04 06 07 13 14 25 42 65 75 13G 13Gw 65D 65Dç 65Fz 65N 65Np7 65Nr4 65Nm
242. **Sympetrum flaveolum** (Linnaeus,1758) (Libellulidae) Synonym(s): *flaveolum* Linnaeus,1758 Range (in codes): PT ES FR GB BE NL NO SE FI EE LT LV BY RU UA PL DK DE CZ SK HU CH AT SS HV IT YU MK AL GR BG TR 09 25 33 35 40 45 65 65N 65Np7 65Nm
243. **Sympetrum fonscolombii** (Selys,1840) (Libellulidae) Synonym(s): *fonscolombii* Selys,1840 Range (in codes): PT ES FR GB BE NL DE PL UA RU MD RO CZ SK CH AT IT Co Sa Si SS HV YU AL MK GR BG Cr CY Rd TR Ch 15 16 24 25 31 33 35 46 47 58 65 31K 31Ka 35T 35Tb 58G 65N 65Nc 65Np7 65Nm



Fig. 147 – *Enallagma cyathigerum* (Coenagrionidae). Gören Mt. 65Np7, 7 6 2014, M.Kemal (Cesa)



Fig. 148 - *Cordulegaster insignis* (Cordulegasteridae). Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)



Fig. 149 – *Libellula quadrimaculata* (Libellulidae). Gören Mt. 65Np7, 7 6 2014, M.Kemal (Cesa)



Fig. 150 – *Sympetrum flaveolum* (Libellulidae). Gören Mt. 65Np7, 15 6 2014, M.Kemal (Cesa)

Dermaptera

(Figs. 151-152)

This order is represented in the area by a single family together with two species. The species are normally nocturnal. By hot days, they are found usually under the stones. However, early in the day, they may be seen on short herbaceous plants in the steppe.

Forficulidae (2)

- 244. *Anechura bipunctata* (Fabricius, 1781)** (Forficulidae) Synonym(s): *bipunctata* Fabricius, 1781; *asiatica* Semenov, 1903; *fabricii* Fieber, 1854 Range (in codes): **ES TR RU FR SK AM KG UZ AM Cc AF IR Elb Kdv Th TM 04 05 06 07 13 16 25 30 31 35 36 38 46 51 62 65 69 13Gö 13Gğ 65D 65F 65Fw 65Fz 65N 65Nş 65Nm**
- 245. *Forficula auricularia* Linnaeus, 1758** (Forficulidae) Synonym(s): *auricularia* Linnaeus, 1758; *major* Degeer, 1773; *dentata* Fabricius, 1775; *parallela* Fabricius, 1775; *media* Marsham, 1802; *neglecta* Marsham, 1802; *infumata* Megerle, 1825; *forcipata* Stephens, 1835; *borealis* Leach, 1835; *silanoides* Karny, 1911; *caucasica* Bei-Bienko, 1926 Range (in codes): **ES FR SK HU BG UA BY RU KG CY TR TM CA US 02 03 05 06 07 08 09 13 14 15 16 17 18 19 21 23 27 28 30 31 33 34 35 37 38 40 42 44 45 46 47 48 49 50 53 55 56 60 61 62 65 67 73 13G 30A 31M 56A 56F 56Fa 65F 65N 65Nc 65Np 65Nm 73G**



Fig. 151 – *Anechura bipunctata* (Forficulidae), female. Gören Mt. 65Nş, 10 6 2014, M.Kemal (Cesa)



Fig. 152 – *Forficula auricularia* (Forficulidae), female. Gören Mt. 65Np, 27 6 2014, M.Kemal (Cesa)

Mantodea

(Figs. 153-155)

This order is represented in the area by two families together with two species.

Empusidae (1)

246. **Empusa fasciata Brullé, 1836** (Empusidae) Synonym(s): *fasciata* Brullé, 1836 Range (in codes): RO YU CY TR IQ Mos EG DZ GR HV B-H Cr IL Pa IR JO 05 06 07 08 16 21 23 24 25 30 31 34 35 42 45 51 56 57 65 73 30B 30Bc 30Bc1 31K 31Ka 56F 56Fp 65F 65Fp 65Fz 65K 65Kd 65Kg 65N 65Np 65Np2 65Np7 65Nr3 65Nm 73A 73Aç 73Aç1

Mantidae (1)

247. **Bolivaria brachyptera (Pallas, 1773)** (Mantidae) Synonym(s): *brachyptera* Pallas, 1773; *kurda* Ramme, 1951 Range (in codes): TR Cr AM Cc IR Elb Kdj AF IL Pa Cc MN UZ RU TJ TM KG 05 06 08 18 21 26 27 33 35 42 44 46 56 65 73 78 18F 21P 56F 65F 65Fp 65Fz 65G 65Gz 65K 65Kz 65Kg 65N 65Nb 65Nr2 65Nm 73A 73Ad 73Ad2 73D 73Dg



Fig. 153 – *Empusa fasciata* (Empusidae). Gören Mt. 65Np7, 7 6 2014 M Kemal (Cesa)



Fig. 154 – *Empusa fasciata* (Empusidae). Gören Mt. 65Nr7, 17 5 2014, M Kemal (Cesa)



Fig. 155 – *Empusa fasciata* (Empusidae), nymph. Gören Mt. 65Np2, 16 5 2014, M Kemal (Cesa)

Orthoptera

(Figs. 156-161)

For the time being, this order is represented in the area by four families (*Acrididae*, *Gryllidae*, *Pamphagidae*, *Tettigoniidae*) and 15 species. The main season for locusts is summer. Therefore, much more species are expected until autumn.

Acrididae (8)

248. **Acrotylus insubricus (Scopoli,1786)** (Acrididae) Synonym(s): *insubricus* Scopoli,1786; *maculatum* Olivier,1791; *fasciatus* Fabricius,1793; *maderae* Audinet-Serville,1838; *inficitus* Walker,1870; *variegata* Walker,1870; *versicolor* Burr,1898; *biskrensis* Maran,1958 Range (in codes): **DZ MA TN ES FR IT HU GR Cr RO UA SA EG TR Cc GG AM IQ Bgd Er Shq CY IR AF PK BI SO 01 06 08 11 13 12 16 23 31 33 34 35 36 38 41 42 43 45 46 54 55 56 61 65 76 08A 08H 13Gö 13Gğ 36F 56D 56Dc 56F 65H 65Hg 65K 65Ky 65Ky1 65N 65Nc 65Np 65Nr6 65Nr3 65Nm 76A 76E**
249. **Chorthippus (Glyptobothrus) brunneus (Thunberg,1815)** (Acrididae) Synonym(s): *brunneus* Thunberg,1815; *bicolor* Charpentier,1825; *biguttula* Stephens,1835; *rhomboida* Stephens,1835; *varipes* Stephens,1835; *venusa* Stephens,1835; *vittata* Stephens,1835; *brunneri* Werner,1902 Range (in codes): **GB ES FR NO SE FI RU DK DE CH AT IT PL EE LT KG Sb Us CN Ui TM IR RO Sa IQ AF TR Cc GG 01 05 06 08 13 16 21 31 35 42 44 46 48 51 55 57 65 80 13F 65D 65Dn 65N 65Np7 65Nm**
250. **Dociostaurus (Notostaurus) anatolicus Krauss,1896** (Acrididae) Synonym(s): *anatolicus* Krauss,1896; *castaneopicta* Krauss,1896; *castaneopictus* Jacobson,1905 Range (in codes): **YU GR BG TR Cc GG AZ SY JO IL Pa IR Elb Th 01 02 03 04 05 06 07 08 10 12 13 16 17 18 21 23 25 26 31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47 49 50 51 56 60 62 63 65 66 71 73 76 80 04C 04D 04E 04F 04H 08A 36D 36E 36Ec 65D 65F 65Fp 65Fz 65N 65Np2 65Nm 73A 73Ad 73Ad1 76B**
251. **Oedaleus decorus (Germar,1817)** (Acrididae) Synonym(s): *decorus* Germar,1817 Range (in codes): **TR RU Us Cc Da GG TM TJ KK KG CN Ui 01 04 06 08 13 20 26 30 31 34 35 36 42 43 44 45 48 65 76 78 80 04F 08A 08H 13A 13Ab 13G 30B 30Bo 36E 36Ec 65D 65E 65Ea 65F 65Fp 65Fz 65K 65Kz 65Kğ 65N 65Np2 65Nm 76B**
252. **Oedipoda miniata (Pallas,1771)** (Acrididae) Synonym(s): *miniata* Pallas,1771; *salinus* Gmelin,1790; *gratiosa* Audinet-Serville,1838; *perurbana* Steinmann,1965 Range (in codes): **MA DZ TN TR Cc GG TJ KG Aa RU 04 06 08 09 12 13 15 16 20 23 34 35 36 42 43 45 46 55 56 57 60 62 65 77 78 80 04E 04I 08A 08H 13A 13Ab 13G 36D 36Db 56F 56Fç 56Fm 65F 65Fş 65Fz 65K 65Ku 65N 65Nc 65Np8 65Nr6 65Nm**
253. **Oedipoda schochi Saussure,1884** (Acrididae) Synonym(s): *schochi* Saussure,1884; *caucasica* Saussure,1884 Range (in codes): **TR Cc GG Sn IL Pa JO SY LB IQ IR AF 04 06 18 21 26 30 36 38 42 43 44 51 63 65 04C 04D 04E 04F 08H 30B 30Bk 36C 36E 36Ec 65F 65Fp 65Fz 65G 65Gz 65K 65Kz 65Kğ 65N 65Nr2 65Nm**
254. **Pyrgodera armata (Fischer von Waldheim,1820)** (Acrididae) Synonym(s): *armata* Fischer von Waldheim,1820 Range (in codes): **TR Cc GG RU KG AF TM IR KK 01 02 04 05 06 07 08 12 13 16 19 21 23 25 26 27 30 32 33 36 38 42 44 46 47 49 50 51 56 58 62 63 65 71 76 04I 13B 13G 30B 30Bk 36D 36Db 56F 65D 65Dç 65G 65Go 65F 65Fz 65K 65Kz 65Kğ 65N 65Nr3 65Nm 76A**
255. **Stenobothrus nigromaculatus (Herrich-Schäffer,1840)** (Acrididae) Synonym(s): *nigromaculatus* Herrich-Schäffer,1840 Range (in codes): **TR Cc GG 05 16 18 65 65F 65Fp 65Fz 65N 65Np7 65Nr2 65Nm**



Fig. 156 - *Acrotylus insubricus* (Acrididae), after hibernation. Gören Mt. 65Nm, 23 4 2014, M.Kemal (Cesa)



Fig. 157 - *Oedaleus decorus* (Acrididae), nymph. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)



Fig. 158 – *Oedipoda miniata* (Acrididae). Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)

Gryllidae (2)

- 256. Gryllus (s.str.) bimaculatus (De Geer,1773)** (Gryllidae) Synonym(s): *bimaculatus* De Geer,1773; *capensis* Fabricius,1775; *rubricollis* Stoll,1813; *lugubris* Stal,1855; *interruptus* Walker,1869; *marginalis* Walker,1869; *ater* Saussure,1877 Range (in codes): **ML DZ LY SD YE NA ZA TR FR DE UA Cc GG Kta Im IR PK IN LK KG CN 07 08 16 31 33 56 65 08H 56F 65N 65Nr2 65Nm**
- 257. Gryllus (s.str.) campestris Linnaeus,1758** (Gryllidae) Synonym(s): *campestris* Linnaeus,1758; *hybrida* Rambur,1838; *caudata* Krauss,1886; *cephalotes* Ramme,1921 Range (in codes): **DZ LY SY TR IR PT ES FR GB DE PL EE RO CZ SK HU BG IT 01 04 05 06 08 11 18 23 24 25 26 35 38 39 40 42 43 44 46 50 51 62 63 65 70 71 78 80 04D 04I 08H 63G 65N 65Np2 65Nm**

Pamphagidae (2)

- 258. Nocarodes aserbus Mistshenko,1951** (Pamphagidae) Synonym(s): *aserbus* Mistshenko,1951 Range (in codes): **TR 04 65 76 04C 65K 65Ky 65Ky1 65N 65Np 65Np1 65Nm 76A**
- 259. Pamphagid sp.** (Pamphagidae) Range (in codes): **TR 65 65N 65Np8 65Nm**



Fig. 159 - *Gryllus* (s.str.) *campestris* (Gryllidae), female, nocturnal. Gören Mt. 65Np2, 27 6 2014, M.Kemal (Cesa)



Fig. 160– A pamphagid nymph (*Pamphagidae*). Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)

Tettigoniidae (3)

260. **Saga ephippigera Fischer von Waldheim, 1846** (Tettigoniidae) Synonym(s): *ephippigera Fischer von Waldheim, 1846* Range (in codes): **Cc AM Eri AZ Kir Nv Ord GG Aj Btm TR SY Hal LB IL Js Pa JO IR Elb Th IQ Mos Bgd 01 02 04 08 12 13 21 23 24 25 30 31 36 38 44 46 47 48 49 56 62 63 65 73 76 80 04E 08A 08G 31F 31M 36D 56F 56Fg 56F1 56Fv 65F 65Fp 65Fz 65N 65Np2 65Nr4 65Nm 73A 73Ad 73Ad2 76A 76C**
261. **Tettigonia sp.** (Tettigoniidae) Range (in codes): **TR 65 65N 65Nş 65Nm**
262. **Uvarovistia (s.str.) satunini (Uvarov, 1916)** (Tettigoniidae) Synonym(s): *satunini Uvarov, 1916* Range (in codes): **TR 12 13 21 23 30 49 56 62 65 30B 30Bm 56F 65D 65F 65Fp 65Fz 65N 65Np4 65Nm**



Fig. 161 – *Tettigonia* sp. (Tettigoniidae), a female nymph, probably belongs to *T. viridissima*. A phytophag species, with low population density in the area. Gören Mt. 65Nş, 10 6 2014, M.Kemal (Cesa)

Hemiptera

(Figs. 162-184)

This order is represented in the area by 12 families (*Alydidae* (2), *Berytidae* (1), *Cydnidae* (1), *Coreidae* (5), *Lygaeidae* (2), *Miridae* (1), *Nabidae* (1), *Pentatomidae* (12), *Reduviidae* (1), *Rhopalidae* (2), *Scutelleridae* (1), *Stenocephalidae* (1)) and 30 species.

Alydidae (2)

263. **Camptopus bifasciatus Fieber, 1864** (Alydidae) Synonym(s): *bifasciatus Fieber, 1864* Range (in codes): **Cc AZ Nv TR IR Fa Ke Se Th AM RU 05 06 23 28 44 56 60 65 76 56F 56F1 65N 65Nb 65Np 65Nm 76B 76Bb**
264. **Camptopus tragacanthae (Kolenati, 1845)** (Alydidae) Synonym(s): *tragacanthae Kolenati, 1845* Range (in codes): **IR Go Th Ke Kh Ss Ab Ar Cc AZ TR UZ TJ RU AF CN Ui 16 17 23 35 36 50 58 60 65 76 65F 65Fz 65N 65Nr3 65Nr4 65Nm 76C**

Berytidae (1)

- 265. *Neides tipularius* (Linnaeus,1758) (Berytidae)** Synonym(s): *tipularius* Linnaeus,1758 Range (in codes): TR 06 12 22 36 38 65 65D 65Dn 65N 65Np2 65Nm



Fig. 162 – *Neides tipularius* (Berytidae), nocturnal. Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)



Fig. 163 – *Neides tipularius* (Berytidae), in copula; nocturnal. Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)

Cydnidae (1)

266. **Canthophorus melanopterus (Herrich-Schäffer,1835)** (Cydnidae) Synonym(s): *melanopterus* Herrich-Schäffer,1835 Range (in codes): MA DZ TN LY EG AZ AM GG IR CY IL Pa JO SY IQ TJ AL AT B-H BG CZ SK GR HU IT MT MD PT RO RU SS ES UA YU TR 65 76 65F 65Fd 65Fz 65N 65Np 65Nm 76B 76Bf 76Bh



Fig. 164 - *Canthophorus melanopterus* - (Cydnidae). Gören Mt. 65Np, 27 6 2014, M.Kemal (Cesa)

Coreidae (5)

267. **Centrocoris spiniger (Fabricius,1781)** (Coreidae) Synonym(s): *branderi* Linnaeus,1767; *spiniger* Fabricius,1781; *pallescent* Kolenati,1845; *subinermis* Rey,1887; *bampurensis* Linnavuori,1968 Range (in codes): MA DZ TN LY EG PT ES FR CH AT IT YU RO UA RU BG GR Cc GG SY IR IQ TM JO TR CY 01 06 08 10 16 17 22 31 32 35 36 38 42 48 50 56 65 56F 56Fa 65N 65Np8 65Nm
268. **Coriomeris denticulatus (Scopoli,1763)** (Coreidae) Synonym(s): *denticulatus* Scopoli,1763 Range (in codes): IL Pa TR SY Cc CN Ui 04 06 09 10 16 17 23 31 35 36 42 65 76 36D 36Db 65F 65Fd 65Fz 65N 65Np 65Nr7 65Nm 76C
269. **Enoplops disciger (Kolenati,1845)** (Coreidae) Synonym(s): *disciger* Kolenati,1845 Range (in codes): Cc TR IR BG GR MK RO AZ AM GG IQ IL Pa JO SY 01 04 06 15 31 35 36 45 48 49 65 76 31M 65D 65Dn 65F 65Fz 65N 65Nc 65Nc4 65Ns 65Nm 76B 76Bf 76Bh 76Bi
270. **Phyllomorpha lacerata (Herrich-Schäffer,1835)** (Coreidae) Synonym(s): *lacerata* Herrich-Schäffer,1835; *persica* Westwood,1841; *echinus* Ahmad & Shadab,1974 Range (in codes): DZ AZ Cc AF KG TR YU IT Si AL GR AM IR Elb Th IQ IL Pa JO KK LB SY TJ TM UZ PK Bl OM CN Ui 06 23 34 35 65 65N 65Nr6 65Nm
271. **Syromastus rhombeus (Linnaeus,1767)** (Coreidae) Synonym(s): *rhombeus* Linnaeus,1767; *quadratus* Fabricius,1775; *sinuata* Fieber,1861; *fusca* Vidal,1936 Range (in codes): Cn MA DZ TN Md PT ES FR GB SE DK DE BY UA PL CZ SK HU MD RO SS B-H HV AL MK BG GR CY CH AT IT Sa Si TR Cc AZ AM GG IR AF CN KG IQ IL Pa LB SY TJ TM UZ 01 06 08 09 10 13 16 22 23 30 31 32 34 35 36 45 50 56 65 73 76 13F 13G 13Gö 13Gg 30D 30Df 31M 34R 34Rb 56D 56Dc 56F 56Fp 65D 65Dh 65F 65Fb 65Fd 65Fp 65Fz 65N 65Np 65Np2 65Nm 73A 73Ak 76B 76Bf 76Bh 76Bj



Fig. 165 - *Coriomeris denticulatus* (Coreidae). Gören Mt. 65Nr7, 17 5 2014, M.Kemal (Cesa)



Fig. 166 - *Phyllomorpha* aff. *lacerata* (Coreidae), a diurnal species. Specific identification is not easy. Gören Mt. 65Nr7, 17 5 2014, M.Kemal (Cesa)



Fig. 167 - *Syromastus rhombeus* (Coreidae), at rest; diurnal. Gören Mt. 65Np2, 16 5 2014, M.Kemal (Cesa)

Lygaeidae (2)

272. **Spilostethus saxatilis** (Scopoli,1763) (Lygaeidae) Synonym(s): *saxatilis* Scopoli,1763; *tessellatus* Goeze,1778; *lusitanicus* Herrich-Schäffer,1850; *montivagus* Horvath,1899 Range (in codes): AL AT BE B-H BG HV CZ SK FR DE GR HU IT MK PL RO PT ES SE UA YU CY TR DZ Cn MA LY TN EG AZ AM Cc GG AF IQ IR IL Pa JO SY TM UZ Ch 12 46 50 56 58 65 12A 12Ab 46G 46Gd 56D 56De 56Dh 56F 58G 58Gg 65D 65Dh 65Dn 65F 65Fd 65Fi 65Fz 65N 65Np7 65Nm
273. **Spilostethus pandurus** (Scopoli,1763) (Lygaeidae) Synonym(s): *pandurus* Scopoli,1763; *militaris* Fabricius,1775; *civilis* Fabricius,1787; *surinamensis* Wolff,1802; *elegans* Wolff,1802; *lagenifer* Dufour,1833; *asiaticus* Kolenati,1845; *tetricus* Horvath,1909 Range (in codes): Cn AL AT B-H BG HV CZ SK FR HU IT MK MD PT RO RU ES UA YU DZ LY EG MA TN SS Cc TR IR CY IQ TM GR AZ AF Cc AM GG IL Pa JO SA Sn SY CN IQ UZ YE IN PH AU 01 03 06 07 09 11 15 16 17 18 20 22 23 26 27 31 33 34 35 38 39 42 43 45 48 51 46 64 65 67 46G 46Gd 65D 65Dd 65Dda 65F 65Fp 65Fz 65K 65N 65Nc 65Np 65Np1 65Np2 65Nr2 65Nr4 65Nm 65Ku 73D 73Df 73Dfb 73H

Nabidae (1)

274. **Prostemma guttula** (Fabricius,1787) (Nabidae) Synonym(s): *guttula* Fabricius,1787; *staphylinus* Gmelin,1790; *brachelythrum* Dufour,1834; *fuscipenne* Mulsant & Rey,1873; *asiaticum* Kerzhner,1968 [ssp.] Range (in codes): Cn DZ MA TN AL AD AT BE B-H BG HV CZ FR GB DE GR HU IT MK MD NL PL PT RO RU SS ES UA YU CY TR Cc AM Eri AZ AF GG IR IQ IL Pa JO LB SY TJ TM UZ 01 13 29 34 35 36 60 65 13F 65N 65Np7 65Nm

Pentatomidae (12)

275. **Aelia furcula** Fieber,1868 (Pentatomidae) Synonym(s): *furcula* Fieber,1868; *simillima* Reuter,1900 Range (in codes): Cc CN Ui TR AF AM AT AZ GR IR Ak Kfr Ab Km Th Kdv Elb Kh Fa Ma Ha Zj Lo Mz Gor KK KG RU Sr UA TJ YU UZ 06 36 38 65 65N 65Nr3 65Nm
276. **Carpocoris (s.str.) coreanus** Distant,1899 (Pentatomidae) Synonym(s): *coreanus* Distant,1899; *iranus* Tamanini,1958 Range (in codes): IR Ak Kfr Kh Msh Gh Ar Se Zj Th Kdv Elb GR TR AF AM AZ GG Cc IQ IL Pa EG Sn JO KG MN CN Gn Ui KK RU Sb TJ TM UZ PK 02 13 21 23 27 30 31 46 47 56 63 65 73 13A 13Ab

- 13G 13Gd 23C 23I 30D 30Dx 56F 65F 65Fb 65Ff 65Fe 65Fp 65Fz 65Fq 65G 65Ga 65Gb 65Gu 65Gz 65K 65Ke 65Kz 65Kg 65N 65Np 65Np2 65Nr2 65Nm 73A 73Ad
277. **Carpocoris (s.str.) fuscispinus (Boheman,1851)** (Pentatomidae) Synonym(s): *fuscispinus* Boheman,1851; *hahni* Flor,1856; *rugicollis* Seabra,1925; *subrufus* Seabra,1925; *flavescens* Seabra,1925; *infuscatus* Seabra,1925 Range (in codes): AL AT BE B-H BG BY HV CZ DE FI FR DK GR HU IT Si Sa LT LV MK MD NL PL PT RO RU SK SS ES CH UA YU TR AZ AM GG CN AF IL Pa Cc IQ IR Ak Kfr Mz Zj Ma Th Es Kh Lo Ar Gh SY TJ KK KG KP KR MN IN PK 01 04 06 07 09 10 11 13 15 16 17 18 19 22 25 26 27 31 32 33 35 36 37 38 39 40 42 43 45 46 48 50 54 56 59 65 66 73 13A 13Ab 56F 65C 65Cb 65G 65Gu 65F 65Fd 65Fp 65Fz 65K 65Kd 65Kg 65Ky 65Ky1 65N 65Nc4 65Ne 65Np5 65Nr3 65Nr4 65Nm 73A 73Ak
278. **Carpocoris (s.str.) pudicus (Poda,1761)** (Pentatomidae) Synonym(s): *pudicus* Poda,1761; *cinctus* Schrank,1776; *carnus* Gmelin,1790; *wilkinsonii* Westwood,1837; *pallida* Dallas,1851 Range (in codes): IT Si UA TR AF IL Pa IR Ak Kfr Mz Gor Th Se Kh Gh Ar Zj Cc EG SY 06 12 13 23 38 44 50 56 58 65 73 76 06K 06Kb 12E 12Eb 13A 13Ab 23C 38H 38Hc 44A 44Ab 56F 56Fp 58G 58Gg 65D 65Dn 65E 65Eb 65F 65Fe 65Fz 65N 65Np 65Nm 73A 73Ad 76D 76Dg
279. **Chroantha ornatula (Herrich-Schäffer,1842)** (Pentatomidae) Synonym(s): *ornatula* Herrich-Schäffer,1842; *notatus* Klug,1842 *nec* Pda.,1761; *humerosa* Dallas,1851; *scitulus* Jakovlev,1877; *hataska* Kirkaldy,1899 Range (in codes): Cn MA DZ LY EG TN PT ES IT Si GR CY TR IQ IR Elb Kh Se Zj Gh Qz SA YE SD AZ Cc CY IL Pa JO SA SY TJ TM UZ AF 65 65N 65Np6 65Nm **New record for the fauna of Van Province!**
280. **Codophila (Anthemia) lunulata (Goeze,1778)** (Pentatomidae) Synonym(s): *lunulata* Goeze,1778 Range (in codes): IR Kh Ar Gh Fa Qz Gh Ke Mz Se Yz Zj TR Cc SY TM 01 03 04 06 16 18 21 22 26 32 34 38 39 40 45 46 50 51 65 77 65G 65Ga 65Gu 65K 65Ku 65N 65Nr6 65Nm
281. **Codophila (s.str.) varia (Fabricius,1787)** (Pentatomidae) Synonym(s): *varia* Fabricius,1787; *longicornis* De la Fuente,1972 Range (in codes): PT ES FR DE PL CZ SK HU AT CH IT Sa Si HV UA Cm RO BG MK AL GR CY TR Cc IL Pa IR Ar Ab Ak Kh Fa Gh Mz Se Th Kdv Zj SY TJ IQ 01 06 13 17 21 22 25 26 27 31 47 50 56 65 73 76 13A 13Ab 31K 31Ka 56F 65D 65Dh 65Dj 65K 65Ky 65Ky1 65N 65Nc 65Nc 65Nr7 65Nm 73A 73Ad 76C
282. **Eurydema (s.str.) oleracea (Linnaeus,1758)** (Pentatomidae) Synonym(s): *oleracea* Linnaeus,1758; *flavatus* Schrank,1776; *albomarginatus* Goeze,1778; *flavomarginatus* Goeze,1778; *albomarginellus* Fabricius,1794; *annulatus* Fallén,1829; *angularis* Kolenati,1846; *insidiosa* Mulsant & Rey,1866; *consobrina* Puton,1871; *consimilis* Horvath,1885; *paradoxa* Horvath,1885; *triguttata* Horvath,1885; *nigripes* Horvath,1885; *atavus* Horvath,1885; *variventer* Rey,1887; *uniforme* Puton,1889; *petulans* Horvath,1898; *confluens* Royer,1907; *nicolasi* Royer,1907; *putoni* Royer,1907; *aberrans* Horvath,1917; *susannae* Royer,1923; *linnaei* Royer,1924; *nevadensis* Lindberg,1932; *ypsilon* Cerutti,1937; *royeri* Stichel,1938;... Range (in codes): AL AD AT BE B-H BG BY HV CZ DK FI FR GB DE GR HU IT LT LV MK MD NL NO PL PT RO RU SK SS ES CH UA YU DZ MA TN TR Cc AZ AM GG CN Ui Kun Nra IL Pa IR MN SY TJ 01 03 05 06 07 11 14 16 17 19 22 25 26 27 29 31 32 34 36 37 39 41 43 45 52 53 54 55 59 60 61 62 64 65 67 73 76 77 34R 34Rb 65F 65Fz 65K 65Kd 65N 65Np1 65Nm 73A 73Ae 76B 76Bf 76Bh 76C 76D 76Db
283. **Graphosoma (s.str.) melanoxanthum Horvath,1903** (Pentatomidae) Synonym(s): *melanoxanthum* Horvath,1903 Range (in codes): Cc RU IR Elb Th Kdv AZ AM GG TR 13 21 23 25 34 65 76 13G 13Gö 65D 65Dc 65F 65Fd 65Fp 65Fz 65N 65Nr2 65Nr4 65Nm 76C
284. **Graphosoma (s.str.) semipunctatum (Fabricius,1775)** (Pentatomidae) Synonym(s): *semipunctatum* Fabricius,1775; *interruptum* White,1839; *wilsoni* White,1839; *persica* Ferr.,1874; *creticum* Horvath,1909 Range (in codes): Cn TR Cr IR AF IL Pa Cc CY Ui TM 01 02 06 08 09 13 17 19 21 23 25 27 31 34 35 36 38 39 45 46 47 48 50 54 56 59 65 80 06R 13G 13Gd 31M 35L 56F 56Fe 65F 65Fd 65Fz 65G 65Ga 65N 65Np 65Nm
285. **Rhaphigaster nebulosa (Poda,1761)** (Pentatomidae) Synonym(s): *nebulosa* Poda,1761; *atomarius* Fabricius,1775; *sagittifer* Goeze,1778; *lentiginosus* Gmelin,1790; *punctipennis* Illiger,1807; *nigrovarius* Gravenhorst,1807; *stigmatica* Palisot,1811; *fusca* Motschulsky,1861; *impunctata* Gabiglietti,1869 Range (in codes): AT AL BE B-H BG HV CZ FR DDE GR HU IT MK MD NL PL PT RO RU SK SS ES UA YU DZ MA AZ AM Cc AF KG CY GG TR IR Gh Ar Th Elb Zj PK IQ SY TM UZ 01 03 04 06 07 09 13 14 15 16 17 18 19 20 22 27 31 32 33 34 35 36 37 38 39 41 42 43 45 46 48 50 51 52 54 55 56 57 60 64 65 66 67 13C 13Ck 13F 34R 34Rb 56F 65N 65Nc4 65Np4 65Nm
286. **Tholagus flavolineatus (Fabricius,1798)** (Pentatomidae) Synonym(s): *flavolineatus* Fabricius,1798; *confinis* Horvath,1898 Range (in codes): TR HV IQ IR IL Pa Cc CY EG B-H BG HV FR GR IT MK PT RO RU SS ES UA YU DZ LY MA TN AZ AF AM KG GG IR LB MN PK 01 06 07 08 10 15 16 22 27 31 33 35 38 39 42 46 65 65F 65Fp 65Fz 65K 65Ké 65Kg 65N 65Ne 65Np8 65Nm



Fig. 168 – *Carpocoris coreanus* (Pentatomidae). Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)



Fig. 169 – *Carpocoris fuscispinus* (Pentatomidae). Gören Mt. 65Np5, 30 5 2014, M.Kemal (Cesa)



Fig. 170 – *Carpocoris pudicus* (Pentatomidae). Gören Mt. 65Np, 8 6 2014, M.Kemal (Cesa)



Fig. 171 – *Chroantha ornatula* (Pentatomidae). Gören Mt. 65Np6, 31 5 2014, M.Kemal (Cesa)



Fig. 172 - *Codophila (Antheminia) lunulata* (Pentatomidae). Gören Mt. 65Nr6, 17 5 2014, M.Kemal (Cesa).



Fig. 173 – *Eurydema* sp. (Pentatomidae). A variable group in colouration and markings. From external features, a precise identification is sometimes difficult. Gören Mt. 65Np1, 28 5 2014, M.Kemal (Cesa)



Fig. 174 – *Graphosoma melanoxanthum* (Pentatomidae). Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)



Fig. 175 – *Graphosoma semipunctatum* (Pentatomidae). Gören Mt. 65Np, 3 6 2014, M.Kemal (Cesa)



Fig. 176 – *Rhaphigaster nebulosa* (Pentatomidae). Gören Mt. 65Np, 3 6 2014, M.Kemal (Cesa)



Fig. 177 – *Tholagmus flavolineatus* (Pentatomidae). Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)



Fig. 178 – *Tholagmus flavolineatus* (Pentatomidae). Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)



Fig. 179 – *Sphedanolestes lividigaster* (Reduviidae). Gören Mt. 65Np, 8 6 2014, M.Kemal (Cesa)

Reduviidae (1)

287. **Sphedanolestes lividigaster (Mulsant & Rey,1852)** (Reduviidae) Synonym(s): *lividigaster* Mulsant & Rey,1852; *lividiventris* Stal,1874; *atripes* Puton,1880 Range (in codes): **DZ MA TN ES PT FR IT TR 31 33 35 65 65F 65Fp 65Fz 65N 65Np 65Np1 65Nr2 65Nr4 65Nm**

Rhopalidae (2)

288. **Corizus hyoscyami (Linnaeus,1758)** (Rhopalidae) Synonym(s): *hyoscyami* Linnaeus,1758; *flavicans* Puton,1881; *usticensis* Riggio,1885; *flavescens* Rey,1888; *collinus* Distant,1909; *monticola* Horvath,1917; *atropyga* Blöte,1934; *#hyosciami* Kuyak et al.,2004 Range (in codes): **AL AT BE B-H BG BY HV CZ SK DK DE GB FI FR GR HU IE IT LT LV MT MK MD NL NO PL PT RO RU SS ES SE CH UA YU EG LY AZ AF AM CN Ui Bc Nra CY GG IR IQ IL JO Pa KK LB MN RU KP KR Sn SY TJ TM UZ MA DZ TN Cn TR IR Ak Elb Th Se Gh 13 31 38 46 50 56 65 73 76 13F 31K 31Ka 38H 38Hc 46B 46Bb 56F 56Fa 65D 65Dda 65Fp 65Fw 65Fz 65N 65Nc 65Np1 65Nr6 65Nm 73A 73Ad 73Ak 73D 73Df 76A 76Ac 76B 76Bf 76Bh**
289. **Maccevethus errans (Fabricius,1794)** (Rhopalidae) Synonym(s): *lineolus* Fabricius,1787 nec Linn.,1758; *errans* Fabricius,1794; *baeticus* Rambur,1839; *caucasicus* Kolenati,1845 [ssp.]; *ruficornis* Reuter,1900; *elongatus* Blöte,1934; *angustus* E.Wagner,1949; *houskai* Hoberlandt,1952 Range (in codes): **TN ES FR B-H IT SK HV SS HU RO BG MK GR RU TR IR DZ SY CN Ui AZ Cc KG AM GG KK IL Pa Js LB Zah SY TJ TM UZ IQ 01 06 09 16 21 25 23 27 35 36 38 42 44 65 21K 65H 65Nc 65Nç 65N 65Np 65Np1 65Nr7 65Nm**



Fig. 180 - *Corizus hyoscyami* (Rhopalidae). Gören Mt. 65Nr6, 17 5 2014, M.Kemal (Cesa)



Fig. 181 – *Maccevethus aff. errans* (Rhopalidae), in copula on *Gundelia tournefortii* (Asteraceae). Gören Mt. 65Np1, 16 5 2014, M.Kemal (Cesa)



Fig. 182 - *Adelphocoris* sp. (Miridae). Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)

Miridae (1)

290. **Adelphocoris sp.** (Miridae) Range (in codes): TR 65 65N 65Np2 65Nm

Scutelleridae (1)

291. **Odontotarsus purpureolineatus (Rossi,1790)** (Scutelleridae) Synonym(s): *purpureolineatus* Rossi,1790; *lutescens* Fieber,1861; *rugicollis* Jakovlev,1884; *insignis* Jakovlev,1908; *#confluens* Hoberlandt,1944 Range (in codes): DE CZ TR IL Pa IR Cc Th Elb Kh Ar Gh SK SY TM UA Cm 01 02 06 16 21 22 25 27 32 36 38 46 49 56 58 63 65 73 56F 58G 58Gj 65F 65Fe 65Fz 65N 65Np1 65Nm



Fig. 183 – *Odontotarsus purpureolineatus* (Scutelleridae). Gören Mt. 65Np1, 8 6 2014, M.Kemal (Cesa)



Fig. 184 - *Dicranocephalus albipes* (Stenocephalidae). Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)

Stenocephalidae (1)

- 292. *Dicranocephalus albipes* (Fabricius,1781)** (Stenocephalidae) **Synonym(s):** *albipes* Fabricius,1781; *leucopus* Gmelin,1790; *neglectus* Herrich-Schäffer,1835 **Range (in codes):** **IQ Cc TR IR GB ... 01 06 14 16 25 26 31 36 49 65 31F 65N 65Np2 65Nm**

Homoptera

(Figs. 185-189)

This order is represented in the area currently by 3 families (*Cercopidae*, *Cicadellidae*, *Cicadidae*) and 6 species.

Cercopidae (2)

- 293. *Cercopis intermedia* Kirschbaum,1868** (Cercopidae) **Synonym(s):** *intermedia* Kirschbaum,1868; *obliterata* Kirschbaum,1868; *nigra* Royer,1906; *simulans* Peneau,1912; *turkestanica* Lindberg,1923 **Range (in codes):** **Cc DZ BG FR DE? GR IR IL Pa IT LB MA PT ES SW SY TR AM GG RU Da TM UA UZ 02 05 06 08 10 13 17 21 23 26 27 28 30 31 32 35 38 39 42 43 46 47 51 53 55 56 61 63 64 65 71 76 06R 13F 13G 21N 21Nb 21Nc 21P 30D 30Df 31K 31Ka 56D 56F 65D 65Dda 65F 65Fd 65N 65Np 65Np1 65Nm 76B 76Bj**
- 294. *Philaenus (s.str.) spumarius* (Linnaeus,1758)** (Cercopidae) **Synonym(s):** *spumarius* Linnaeus,1758; *leucophthalma* Linnaeus,1758; *lateralis* Linnaeus,1758; *leucocephala* Linnaeus,1758 **Range (in codes):** **AF AL DZ AT Az BE BG CN CY CS DK FI FR DE GB GR Cr HU IQ IE IT JP MN MA NL NO PL PT RO ES SE SW SY? TN TR AM AZ Cc EE GG KG KK MD RU UA UZ YU 01 04 05 06 07 08 09 10 11 13 14 16 17 23 24 25 26 28 29 30 34 35 36 39 41 43 44 45 47 48 52 53 55 56 57 59 60 61 65 76 06R 13G 65B 65C 65D 65G 65L 65N 65Np 65Nm**



Fig. 185 – *Cercopis intermedia* (Cercopidae). Common. Gören Mt. 65Np, 8 6 2014 M.Kemal (Cesa)



Fig. 186 – *Philaenus spumarius* (Cercopidae). Common. External colouration highly variable. Gören Mt. 65Np, 8 6 2014 M.Kemal (Cesa)

Cicadellidae (2)

295. **Neoliturus sp.** (Cicadellidae) Range (in codes): TR 65 65N 65Np4 65Nm (Fig.200)
296. **Psammotettix sp.** (Cicadellidae) Range (in codes): TR 65 65N 65Np2 65Nm (Fig.187)



Fig. 187 – *Psammotettix* sp. (Cicadellidae). Gören Mt. 65Np2, 25 5 2014, M.Kemal (Cesa)

Cicadidae (2)

297. **Cicadatra hyalina (Fabricius,1798)** (Cicadidae) Synonym(s): *hyalina* Fabricius,1798; *geodesma* Kolenati,1857; *taurica* Fieber,1876; *virens* Fieber,1876; *burriana* Horvath,1912; *viridis* Haupt,1917; *discrepans* Schumacher,1923; *rossica* Schumacher,1923 Range (in codes): Cc BG IR IL Pa JO SY TR AM AZ GG RO RU Sb TM UA 02 04 06 07 23 24 29 30 32 35 42 46 49 50 51 56 57 63 65 72 04H 04Hc 49E 49Ea 56F 63D 65E 65F 65K 65Kd 65Kg 65N 65Nr2 65Nm 72E 72F
298. **Cicadatra persica Kirkaldy,1909** (Cicadidae) Synonym(s): *lineola* Hagen,1856 (*praeocc.*); *persica* Kirkaldy,1909 Range (in codes): MK Cc IR IL Pa IT SY TR AM AZ GG PK 01 04 06 13 15 29 46 49 65 04E 04Eb 13G 49E 49Ea 65D 65Dc 65Dda 65F 65Fe 65Fp 65Fc 65Fz 65Kd 65Kg 65N 65Nr4 65Nm



Fig. 188 - *Cicadatra hyalina* (Cicadidae). Gören Mt. 65Nr2, 14 6 2014, M.Kemal (Cesa)



Fig. 189 - *Cicadatra persica* (Cicadidae). Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)

Neuroptera

(Figs. 190-192)

This order is represented in the area by 4 families (*Mantispidae*, *Myrmeleonidae*, *Nemopteridae*, *Raphidiidae*) and three determined species.

Mantispidae (1)

- 299. *Perlamantispa perla* (Pallas,1772)** (Mantispidae) Synonym(s): *perla* Pallas,1772; *christiana* Charpentier,1825; *victorii* Guérin-Méneville,1845 Range (in codes): **ES IT YU BG GR PL KG UA Cm AM Eri AZ TR Cc KG TM RU IR 06 12 20 25 32 36 38 43 65 75 06R 65D 65N 65Nr3 65Nm**

Myrmeleonidae (1)

- 300. *Palpares libelluloides* (Linnaeus,1764)** (Myrmeleonidae) Synonym(s): *libelluloides* Linnaeus,1764; *turcica* Petiver & Empson,1767; *nordmanni* Kolenati,1846 Range (in codes): **ES FR IT Sa Si HV B-H HU RO YU AL MK GR BG TR SY Hal Ham Ttu IR Qz Cc Lo Zj Km IQ Kro IL Pa RU Da GG AZ AM 01 06 07 09 13 15 17 23 31 32 33 34 35 38 40 42 46 48 51 56 60 63 65 13F 13G 13Gd 56F 60G 65D 65Dh 65F 65Fp 65Fz 65K 65Kz 65Kg 65N 65Np2 65Nr6 65Nm**

Nemopteridae (1)

- 301. *Lertha palmonii* Tjeder,1970** (Nemopteridae) Synonym(s): *palmonii* Tjeder,1970 Range (in codes): **IL Pa TR Cc AM IR 02 04 13 27 36 47 56 63 65 72 73 76 13F 13G 65D 65F 65K 65Kd 65Kg 65N 65Np2 65Nm**

Raphidiidae

Material collected in the area will be separately evaluated (**Figs. 191, 192**).



Fig. 190 – *Lertha palmoni* (Nemopteridae), nocturnal and rare. Gören Mt. 65Np2, 27 6 2014, M. Kemal (Cesa)



Fig. 191 – A raphidiid male at rest. Gören Mt. 65Np 10 5 2014, M.Kemal (Cesa)



Fig. 192 – A raphidiid female at rest. Gören Mt. 65Np1 28 5 2014, M.Kemal (Cesa)

Diptera

(Figs. 193-222)

For the time being, this order is represented by 36 taxa in the following 16 families: *Acroceridae* (1), *Anthomyiidae* (1), *Asilidae*, *Bibionidae* (1), *Bombyliidae* (10), *Empidae*, *Nemestrinidae* (3), *Platystomidae* (1), *Stratiomyidae* (2), *Syrphidae* (7), *Tabanidae* (1), *Tachinidae* (3), *Tephritidae* (5), *Therevidae*, *Tipulidae* (1), *Ulidiidae*.

Numerous species need for identification.

Acroceridae (1) ⁸

- 302. *Acrocera* (s.str.) *orbiculus* (Fabricius,1787)** (*Acroceridae*) Synonym(s): *orbiculus* Fabricius,1787; *globula* Panzer,1802; *borealis* Zetterstedt,1838 [_ES FR BE NL GB IE NO SE FI EE LT LV RU UA MD RO PL DE DK CZ CH AT IT HV B-H YU MK GR TR 65 65N 65Np2 65Nm](#)

Anthomyiidae (1)

- 303. *Anthomyia* *procellaris* Rondani,1866** (*Anthomyiidae*) Synonym(s): *procellaris* Rondani,1866 Range (in codes): [PT ES FR GB BE CH DK FI IT SI PL NO SE FI CZ SK UA HU YU RU HV YU GR BG CN JP TR 06 65 65N 65Np5 65Nm](#)



Fig. 193 - *Anthomyia procellaris* (*Anthomyiidae*) [det. M.Ackland], during feeding on *Cardaria draba* (*Brassicaceae*). Gören Mt. 65Np5, 4 5 2014, M.Kemal (Cesa)

⁸ For the recent publication on this family, see: Kemal, M. & A.Ö.Koçak, 2014, New *Acroceridae* for the fauna of Turkey (*Diptera*). *Cesa News* 98: 1-2, 2 figs.

Asilidae

Collected material from the area will be separately evaluated (**Figs. 194-201**).



Fig. 194 - An asilid fly (?*Stenopogon*) (*Asilidae*). Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)



Fig. 195 - A pair in copula (*Asilidae*). Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)



Fig. 196 - A male at rest (*Asilidae*). Gören Mt. 65Np2, 26 5 2014, M.Kemal (Cesa)



Fig. 197 - An asilid with a prey (?Scarabaeid). Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)



Fig. 198 - An asilid (?*Acnephylum*) (*Asilidae*). Gören Mt. 65Np, 3 6 2014, M.Kemal (Cesa)



Fig. 199 - An asilid with a prey (*Callophrys*, *Lycaenidae*, *Lepidoptera*). Gören Mt. 65Np4 7 6 2014, M.Kemal (Cesa)



Fig. 200 - A female asilid with her prey (*Neoliturus*, *Cicadellidae*, *Homoptera*). Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)

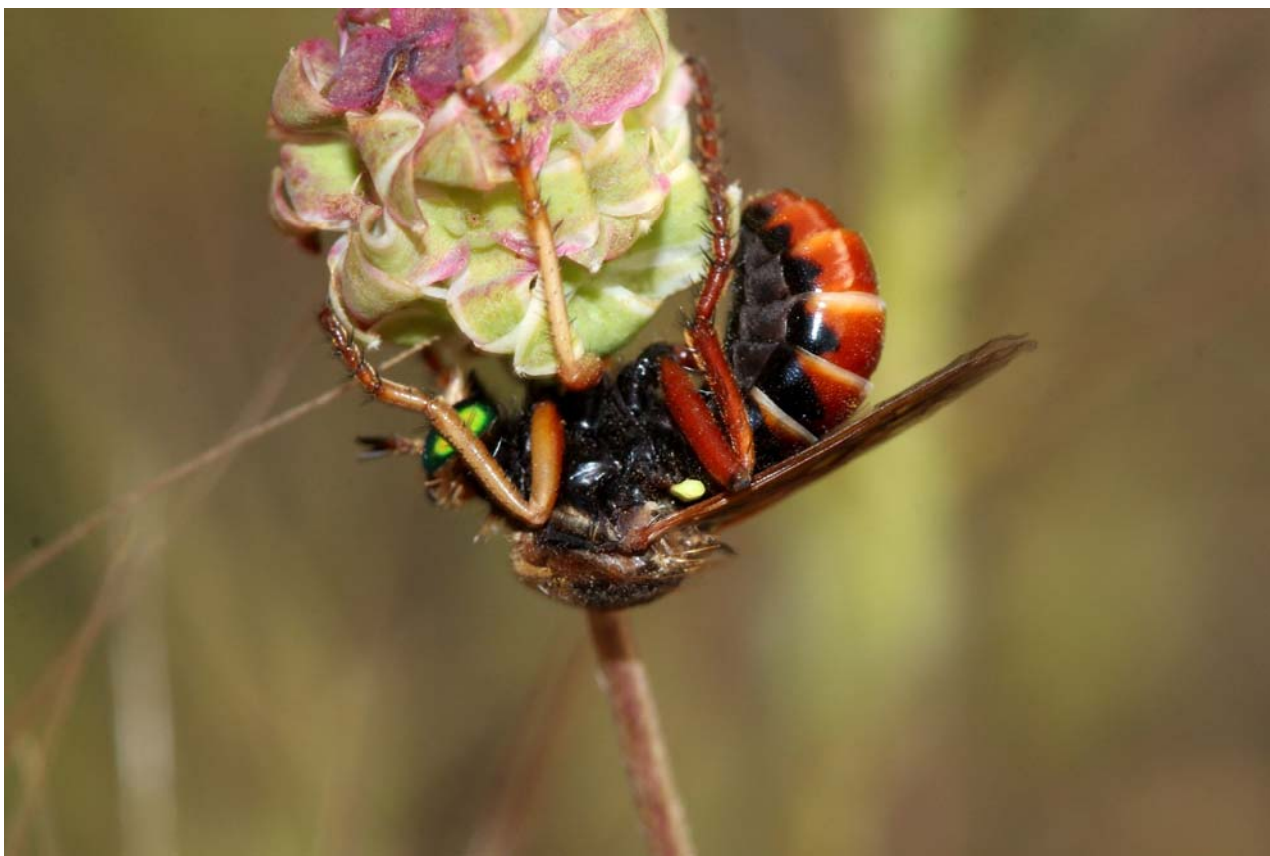


Fig. 201 - A female asilid at rest (*Asilidae*). Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)

Bibionidae (1)

304. **Bibio hortulanus (Linnaeus,1758)** (Bibionidae) Synonym(s): *hortulanus* Linnaeus,1758; *citrius* Harris,1776; *hirtipes* Loew,1846; *hispanicus* Duda,1930; *major* Duda,1930 Range (in codes): **TN PT ES FR GB BE NL DK DE SE EE PL CZ SK CH AT HU IT Sa Si GR TR IL Pa IR 03 09 13 15 20 31 32 42 50 56 65 73 76 13G 31K 31Ka 42M 50G 56D 56F 65F 65Fd 65N 65Np2 65Nm 73A 73Ak 76A 76Ac 76B 76Bf 76Bh 76Bi 76Bj 76Bk**

Bombyliidae (10)

305. **Bombylella atra (Scopoli,1763)** (Bombyliidae) Synonym(s): *ater* Scopoli,1763; *#quartus* Schaeffer,1768; *uralensis* Gmelin,1790; *barbulus* Pallas,1818; *lugubris* Loew,1855 Range (in codes): **AL AM Cc AT AZ GG BY BE B-H BG HV CZ EG EE FR GR HU IR Ab Oru IL Pa IT Si KG KW KK LB LT MK MT OM PL RO RU Sb SA SK SS ES CH SY TJ TR TM UA AE UZ YU 13 17 32 31 33 35 38 48 51 56 65 70 73 13F 13G 13Ge 31K 31Ka 56F 56Fi 65D 65Dh 65F 65Fb 65Fp 65Fz 65K 65Kl 65Kd 65N 65Np4 65Np7 65Np8 65Nr4 65Nm 73D 73Df**
306. **Bombylius (s.str.) discolor Mikan,1796** (Bombyliidae) Synonym(s): *discolor* Mikan,1796 Range (in codes): **DZ AM Cc AT AZ GG BY BE HV CZ DK EE FI FR DE GR HU IT Si LT LY MD PL PT RO RU Sb SK ES CH TR GB UA YU 31 56 65 76 31K 31Ka 56D 65D 65Dh 65N 65Nc 65Np2 65Nr6 65Nm 76B 76Bf 76Bh**
307. **Bombylius (s.str.) major Linnaeus,1758** (Bombyliidae) Synonym(s): *major* Linnaeus,1758; *anonymus* Sulzer,1761; *variegatus* De Geer,1776; *aequalis* Fabricius,1781; *lanigerus* Geoffroy,1785; *sinuatus* Mikan,1796; *fratellus* Wiedemann,1828; *consanguineus* Macquart,1840; *vicinus* Macquart,1840; *albipectus* Macquart,1855; *basilinea* Loew,1855; *australis* Loew,1855; *antenoreus* Lioy,1864; *notialis* Evenhuis,1978 Range (in codes): **CA Alb BCo On Mnt Ssk MX BeN US Arz Cf Col Tx NMx BD IN Ass Hp NP PK TH AL DZ AM AT AZ GG Cc BY BE B-H BG CN HV CY CZ DK EG EE FI FR Co DE GR HU IE IT Sa Si JP KG KR KP LT LY MT MK RO RU Sb Us NL NO MN MA SK SS ES SE CH TJ TR TN TM GB UZ YU HV B-H SS MK Aks Fl Ne Neb Mon Mch Ny NCa NDk Oh Ok Org Sca Sdk Ut Vi Ws We Wy Mai Mrl Mis Kan Io Idp IlN Id Ge Nje 65 65N 65Np 65Np1 65Nm**
308. **Conophorus pseudaduncus Paramonov,1929** (Bombyliidae) Synonym(s): *pseudaduncus* Paramonov,1929 Range (in codes): **TR IR Qz TM UZ 65 65N 65Np1 65Nm**
309. **Cytherea sp.** (Bombyliidae) Range (in codes): **TR 65 65N 65Nr2 65Nm**
310. **Exoprosopa rivularis (Meigen,1820)** (Bombyliidae) Synonym(s): *rivularis* Meigen,1820; *argyrocephala* Macquart,1840; *undans* Walker,1849 Range (in codes): **AT IT Si AM AZ GG Cc IL Pa JO IR HV FR LY KK MA MN MK SA PT SS ES TJ TM UZ YU TR 65 65F 65Fl 65N 65Nb 65Np 65Np7 65Ns 65Nm**
311. **Hemipenthes velutina (Meigen,1820)** (Bombyliidae) Synonym(s): *velutinus* Meigen,1820; *bicincta* Wiedemann,1820; *nycthemera* Wiedemann,1820 Range (in codes): **PL BG RU UA MD Cc AZ AM GG IL Pa LB DZ MA TN SY IT Si Sa TR IR Ab Oru CN Ui PK TM YU EG 04 06 07 13 14 18 22 24 25 30 32 33 36 37 38 42 46 48 51 57 58 65 70 73 76 78 04E 04Eb 06R 07A 07Aa 07I 13G 13Gs 13Gw 36D 36Db 42J 42O 58G 65D 65Dc 65D1 65F 65Fd 65Fe 65Fp 65Fc 65Fz 65G 65Ge 65Gp 65K 65Kc 65Kd 65N 65Ns 65Np 65Np1 65Np4 65Nr3 65Ns 65Nm 73A 73Ad 73Ad2 76B 76Bb 76Bi 76D 76Da 76Dh 76Dg**
312. **Heteralonia (Acrodisca) suffusa (Klug,1832)** (Bombyliidae) Synonym(s): *suffusa* Klug,1832; *conturbata* Loew,1869 Range (in codes): **KE SO AF AM AZ Cc CY IT GR GG IR Ab Khy IL Pa MD KG RU SA SY LB TN UA YU TR 04 06 12 25 33 42 44 46 50 65 25A 25Ab 65D 65Db 65F 65Fb 65Fe 65Fp 65Fz 65F4 65K 65Ké 65Kğ 65N 65Nb 65Nr2 65Nr6 65Nm**
313. **Phthiria vagans Loew,1846** (Bombyliidae) Synonym(s): *vagans* Loew,1846; *pallescens* Engel,1933 Range (in codes): **AM AZ GG Cc BY HV EE FR GR HU IT Si IR IL Pa KK LT HU MK MD RO RU ES TJ TR TM UA UZ YU 07 33 38 42 46 48 65 70 65K 65Kz 65Kğ 65N 65Np 65Nm**
314. **Ulia sp.** (Bombyliidae). Range (in codes): **TR 65 65N 65Np 65Nm**



Fig. 202 – *Bombylella atra* (Bombyliidae) at rest. Gören Mt. 65Nr4, 12 6 2014, M.Kemal (Cesa)



Fig. 203 – *Cytherea* sp. (Bombyliidae, Cythereinae), in copula. Gören Mt. 65Nr2, 14 6 2014, M.Kemal (Cesa)



Fig. 204 – *Hemipenthes velutina* (Bombyliidae) at rest. Gören Mt. 65Nş, 10 6 2014, M.Kemal (Cesa)



Fig. 205 – *Phthiria vagans* (Bombyliidae), during feeding on a flower (Dipsacaceae). Gören Mt. 65Np, 14 6 2014, M.Kemal (Cesa)



Fig. 206 - *Ulia* sp. (*Bombyliidae*), courtship on a *Linum* flower (*Linaceae*). Gören Mt. 65Np, 10 5 2014, M. Kemal (Cesa)



Fig. 207 - *Ulia* sp. (*Bombyliidae*), courtship on a *Linum* flower (*Linaceae*). Gören Mt. 65Np, 10 5 2014, M. Kemal (Cesa)

Empididae

Empid flies collected will be published separately (**Figs. 208, 209**).



Fig. 208 – Empid flies in copula (*Empididae*). Gören Mt. 65Np1, 16 5 2014, M.Kemal (Cesa)



Fig. 209 – Empid fly feeds on the prey during copulation (*Empididae*). Gören Mt. 65Np1, 16 5 2014, M.Kemal (Cesa)

Nemestrinidae (3)

315. **Nemestrinus caucasicus (Fischer,1806)** (Nemestrinidae) Synonym(s): *caucasicus* Fischer,1806; *analys* Olivier,1811; *adamsii* Fischer,1812; *albofasciata* Wiedemann,1828; *anthophorina* Portschinsky,1881 Range (in codes): BG RO MD UA Cm RU Cc TR IR Th Elb Fa AZ Kir GG AM TM Kp KG 65 76 65F 65K 65Kz 65Kğ 65N 65Nc 65Nç 65Nr4 65Nm
316. **Nemestrinus ? sp.n.**
317. **Neorhynchocephalus tauscheri (Fischer,1812)** (Nemestrinidae) Synonym(s): *tauscheri* Fischer,1812 Range (in codes): ES FR TR RO RU Sr IR Elb Th GR Rd UA Cm Cc Da GG AM AZ TM UZ KK KG TJ 05 13 46 65 13G 13Ga 65D 65Df 65F 65Fc 65Fd 65Fp 65Fz 65N 65Np 65Np8 65Nr4 65Nr6 65Nm



Fig. 210 – *Nemestrinus ? sp.n.* (Nemestrinidae). This species will be evaluated separately. Gören Mt. M. Kemal (Cesa)



Fig.211 – *Nemestrinus* ? sp.n. (*Nemestrinidae*). This species will be evaluated separately. Gören Mt. M. Kemal (Cesa)

Platystomidae (1)

- 318. Platystoma seminationis (Fabricius,1775)** (Platystomidae) Synonym(s): *seminationis*
Fabricius,1775; *fulviventre* Schrank,1781; *biseta* Loew,1868; *vegetationis* Rondani,1869 Range (in codes): **ES GB BE**
NL DE DK CH AT IT HU CZ PL RU UA RO TR Cc 56 65 70 73 76 56D 56Db 56F 56Fa 56Fc 65F 65Fb 65Fd 65N
65Np 65Nm 73A 73Ac 76D 76Dd



Fig. 212 - *Platystoma seminationis* (Platystomidae). Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 213 - *Platystoma seminationis* (Platystomidae), in copula. Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)

Stratiomyidae (2)

319. **Odontomyia hydroleon (Linnaeus,1758)** (Stratiomyidae) Synonym(s): *hydroleon* Linnaeus,1758; *felina* Panzer,[1798]; *alpina* Jaennicke,1866 Range (in codes): CH DE AL AT BY BE B-H GB BG SK ES NL UA YU HV HU IT NO RO PL LV CZ DK EE FI FR RU TR IL AF CN MN 01 32 38 42 65 65G 65Gu 65N 65Np2 65Nm
320. **Stratiomys ruficornis (Macquart,1838)** (Stratiomyidae) Synonym(s): *ruficornis* Macquart,1838; *erythrocerus* Egger,1859; *pyrrhocera* Loew,1868 Range (in codes): FR PL AT CZ HU RO BG YU AL GR RU TR IQ Bgd LB SY IR Cc AM AZ 06 08 15 16 26 33 38 44 58 65 65D 65Dd 65Dda 65F 65Fp 65Fz 65Fm 65N 65Np7 65Nr4 65Nm



Fig. 214 - *Odontomyia hydroleon* (Stratiomyidae), during feeding of flower (Dipsacaceae); heliophil. Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)

Syrphidae (7)

321. **Eristalinus (Lathyrphthalmus) aeneus (Scopoli,1763)** (Syrphidae) Synonym(s): *aeneus* Scopoli,1763; *punctatus* Müller,1764; *macrophthalmus* Preyssler,1791; *taphicus* Wiedemann,1830; *cuprovittatus* Wiedemann,1830; *stygius* Newman,1835; *sincerus* Harris,1841; *aenescens* Macquart,1842; *auricalcica* Rondani,1865; *nigrolineatus* Hervé-Bazin,1923 Range (in codes): MA DZ TN EG Cn KE TZ MU AU Hw US Tx On Cf CA PT ES FR IE GB BE NL DK DE SE NO FI EE LT LV BY RU UA PL CZ SK HU CH AT IT Sa Co Si SS HV B-H YU BG RO MD MK GR Cr CY TR IR Ab Khy CN MN AE SY AF Hw AU 01 06 07 26 31 37 38 39 42 46 48 65 68 46B 65N 65Nc 65Np 65Nm
322. **Eristalis (Eoseritalis) arbustorum (Linnaeus,1758)** (Syrphidae) Synonym(s): *arbustorum* Linnaeus,1758; *nemorum* Linnaeus,1758; *horticola* De Geer,1776; *lineole* Harris,1776; *lyra* Harris,1776; *deflagrata* Preyssler,1793; *fumigata* Becker,1921; *bulgarica* Szilady,1934; *polonica* Szilady,1934; *strandii* Duda,1940 Range (in codes): MA DZ Az IE PT ES FR BE DK SE FI PL EE LT LV BY RU UA GB HU NL DE NO CZ SK CH AT IT Co Si Sa SS HV B-H YU MK BG GR Cr TR IR Ab Khy AF IN US CA 01 03 06 07 12 13 14 15 17 22 25 26 31 33 37 38 39 42 46 48 56 65 68 73 76 12A 12Ab 13A 13Ab 13F 13G 13Gö 13Gg 25E 37K 46B 48F 56F 56Fa 65F 65F1 65Fp 65Fz 65N 65Nc 65Np1 65Nm 73A 73Ak 76D 76Dg
323. **Eristalis (s.str.) tenax (Linnaeus,1758)** (Syrphidae) Synonym(s): *tenax* Linnaeus,1758; *interrupta* Poda,1761; *vulgaris* Scopoli,1763; *fuscus* Scopoli,1763; *porcinus* De Geer,1776; *arbustorum* Schrank,1781; *silvaticus* Meigen,1822; *vulpinus* Meigen,1822; *sinensis* Wiedemann,1824; *columbica* Macquart,1855; *ventralis* Thomson,1869; *alpina* Strobl,1909; *claripes* Santos Abreu,1924; *rubix* Violovitsh,1977 Range (in codes): Cn Az Hw US Cf PT ES FR RU HU

DE NL NO GR Cr TR IR Ab Khy JP Us Md CN AU NZ 01 03 06 07 12 13 14 17 25 26 31 33 34 37 38 39 42 46 48 56
60 61 65 68 73 12A 12Ab 13A 13Ab 34R 34Rb 37K 38C 38Ca 46B 48F 56F 56F1 65F 65F4 65Fd 65K 65Kz 65Kg
65N 65Nc 65Nr4 65Nr6 65Nm 65Ns 73A 73Ak

324. **Eupeodes corollae (Fabricius,1794)** (Syrphidae) Synonym(s): *consisto* Harris,1776; *corollae* Fabricius,1794; *pyrorum* Schrank,1803; *olitoria* Fallén,1817; *lacerus* Meigen,1822; *fulvifrons* Macquart,1827; *crenatus* Macquart,1927; *annularis* Curtis,1837; *octomaculata* Curtis,1837; *propinquus* Macquart,1850; *topiarius* Walker,1851; *berber* Bigot,1884 Range (in codes): MA TN EG Cn Md DZ GB HU NL DE SE NO TR RU Ur Sb KG Cc IR Ab Khy MN CN IN SI Djl AU TW TA 01 06 22 25 26 31 33 35 37 38 46 48 50 60 65 70 65N 65Nc 65Np 65Nm
325. **Palumbia (s.str.) eristoloides (Portschinsky,1887)** (Syrphidae) Synonym(s): *eristoloides* Portschinsky,1887; *flavipes* Paramonov,1927 Range (in codes): AZ Nv Ord AM TR 13 25 65 13G 13Gw 65F 65Fp 65Fz 65Fq 65N 65Nr4 65Nm
326. **Sphaerophoria scripta (Linnaeus,1758)** (Syrphidae) Synonym(s): *scripta* Linnaeus,1758; *gemmata* Scopoli,1763; *fasciata* Müller,1764; *invisita* Harris,1776; *menthostri* De Geer,1776 Range (in codes): Cn TR DZ US GB HU NL DE YU GR Cr RU Ur Sb Cc KG SY AF CN Ui Nra MN Az Md IR Ab Khy NP 01 04 06 07 08 13 14 20 22 25 26 32 35 36 37 38 46 48 56 60 61 65 76 04C 04Cc 13F 14B 14Bb 36D 36Db 37K 48F 56B 56D 56De 65D 65N 65Nc 65Np 65Np1 65Nm 76B 76Bf 76Bh
327. **Volucella zonaria (Poda,1761)** (Syrphidae) Synonym(s): *zonaria* Poda,1761; *bifasciata* Scopoli,1763; *valentina* Müller,1766; *inanis* Fabricius,1794 nec Linn.; *fasciata* Herrich-Schäffer,1829; *beckeri* Van der Goot,1961 Range (in codes): TN PT ES GB NL BE DE FR Co CZ SK CH AT HU RO GR Cr TR PL YU RU Sb MN IR Ab Khy TM UZ KK TJ KG 01 06 07 25 26 33 37 38 46 48 56 58 65 67 37K 38C 38Ca 46B 56F 56Fa 56F1 58R 58Rb 65E 65F 65F2 65Fq 65K 65Ku 65N 65Nc 65Np 65Nm



Fig. 215 - *Eristalis tenax* (Syrphidae), at rest. Gören Mt. 65Np, 23 4 2014, M.Kemal (Cesa)



Fig.216 - *Sphaerophoria scripta* (Syrphidae), in copula. Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)

Tabanidae (1)

- 328. Theriopectes tricolor Zeller,1842** (Tabanidae) Synonym(s): *tricolor* Zeller,1842; *ruficauda* Enderlein,1925; *kirschbergi* Moucha & Chvala,1959 Range (in codes): **IT GR Si TR Cc UA Cm BG RU RO 04 05 06 10 11 14 16 25 26 29 33 35 36 37 38 42 43 44 50 51 58 59 60 65 75 80 06B 06H 14B 14Bb 25A 36F 36Fa 38C 38Ca 38H 44E 51D 51De 65N 65Nr2 65Nr4 65Nm** **New record for the fauna of Van Province!**

Tachinidae (3)

- 329. Eriothrix rufomaculatus (De Geer,1776)** (Tachinidae) Synonym(s): *lateralis* Fabricius,1775; *rufomaculatus* De Geer,1776; *demano* Harris,1780; *tachinaria* Fallén,1815 Range (in codes): **PT ES FR BE NL DK DE NO SE FI EE UA PL IE GB CZ SK HU CH AT IT SS HV B-H YU MK GR BG RO MD RU TR IL Pa 25 65 76 65N 65Np 65Nm 76B 76Bf 76Bh** **New record for the fauna of Van Province!**
- 330. Gonia maculipennis Egger,1862** (Tachinidae) Synonym(s): *maculipennis* Egger,1862 Range (in codes): **ES HU UA CY TR IL Pa TM 06 21 49 56 65 73 76 06K 06Kc 21P 56F 65D 65Dv 65N 65Nc 65Np 65Nm 76B 76Bb**
- 331. Tachina (Eudoromyia) fera (Linnaeus,1761)** (Tachinidae) Synonym(s): *fera* Linnaeus,1761; *reccumbo* Harris,1776 Range (in codes): **PT ES FR GB IE NO SE FI BE NL DK DE EE RU UA PL RO CZ SK HU CH AT IT Co Sa Si HV SS B-H YU BG GR Cr CY TR Cc IL Pa MN JP DZ TJ Pm 12 25 60 65 73 75 76 65D 65Dc 65Dh 65F 65Fp 65Fz 65N 65Nr4 65Nm 73A 73Ak 75F 76B 76Bd**



Fig. 217– *Eriothrix ? rufomaculatus* (Tachinidae), during feeding on flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 218 – *Tachina fera* (Tachinidae). Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)

Tephritidae (5)

332. **Acanthiophilus helianthi (Rossi,1790)** (Tephritidae) Synonym(s): *helianthi* Rossi,1790; *eluta* Meigen,1826 Range (in codes): TR IR Ab Oru Elb Th Dam Ar Ak Fa Ha Kz Ss Th Zj Mz Yz Kd AF DE AZ Cc AM GG CZ GB IN IL Pa Cn KG CY KK DZ UZ PK SY Ksb Hms TJ RU TM TH AE SA 01 03 04 06 07 08 09 10 15 16 20 21 22 24 25 26 27 32 33 35 36 38 39 41 42 45 46 48 51 56 58 65 68 69 70 76 01L 56D 56Dd 58G 65D 65Dç 65Fz 65F 65Fc 65N 65Nc 65Np 65Nm
333. **Orellia falcata (Scopoli,1763)** (Tephritidae) Synonym(s): *falcata* Scopoli,1763; *abdominalis* R-D.,1830; *octopunctata* Macquart,1835 Range (in codes): DE AZ AM Cc FR GR Cr GB MD TR RU Sb IL Pa KG KK IR Ab Sbl 01 04 06 08 15 24 25 32 35 36 38 41 44 51 58 65 68 69 76 80 65N 65Nc 65Np 65Np1 65Nm
334. **Sphenella marginata (Fallén,1814)** (Tephritidae) Synonym(s): *marginata* Fallén,1814; *linariae* R-D.,1830; *miranda* Wollaston,1858; *tenerifensis* Bigot,1892; *austrina* Munro,1957 Range (in codes): DE TR RU Sb SY AZ AM GG Cc IR Ar KuS Kd Th AF ES DZ AU ET ER LS MZ ZA Ec Cto GB IL Pa CH Cn Md KE KG KK LT EG SA MD UZ TJ TM UG UA 01 04 07 08 15 20 24 25 27 31 32 35 36 38 46 51 65 69 76 65F 65Fd 65N 65Nc 65Np 65Np1 65Nm
335. **Tephritis acanthiophilopsis M.Hering,1937** (Tephritidae) Synonym(s): *acanthiophilopsis* M.Hering,1937 Range (in codes): NL IT CZ SK HU RO TR IR Ab Oru 07 32 46 65 69 65F 65Fp 65Fz 65N 65Np1 65Nm
336. **Trupanea stellata (Fuesslin,1775)** (Tephritidae) Synonym(s): *stellata* Fuesslin,1775; *radiata* Schrank,1795; *terminata* Fallén,1814; *calcitratae* R-D.,1830 Range (in codes): IE ES FR NO SE FI DK CZ SK EE HU MD RO AL GR BG Cr Rd CY Sa Si Co CH AT IT TR GB KG RU CN SA IN DZ IR Ar Ke Ss Th Km Ak Ab Aja Kd Yz IQ At UA Cc EG AF MN 01 06 07 08 10 13 15 20 22 24 25 26 27 30 32 35 36 38 42 44 46 48 58 65 69 73 76 13G 13Gö 13Gg 30A 30Ae 65F 65Fd 65N 65Nc 65Np 65Np2 65Nm 73D 73Df



Fig. 219 - Orellia falcata (Tephritidae) on flower of *Tragopogon* (Asteraceae). Gören Mt. 65Np1 16 5 2014, M. Kemal (Cesa)



Fig. 220 - *Trupanea stellata* (Tephritidae) on flower of *Anthemis* (Asteraceae). Gören Mt. 65Np 23 4 2014, M. Kemal (Cesa)

Therevidae

Material collected in the area will be separately evaluated (**Fig. 221**).

Tipulidae (1)

- 337. Nephrotoma nox (Riedel,1910)** (Tipulidae) Synonym(s): *nox* Riedel,1910; *rossica* Riedel,1920; *kozhevnikovi* Dodonov,1925 Range (in codes): **TR GG AM Eri AZ Nv Ord Len Cc IR Lo Kd Snj Sqq Elb Th Krr 13 25 30 36 65 13D 13G 25F 25R 30D 36D 65F 65Fb 65N 65Nr4 65Nm**

Ulidiidae

Material collected in the area will be separately evaluated (**Fig. 222**).



Fig. 221 – A therevid species, at rest. Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 222 – A pair of ulidiid in copula. Gören Mt. 65Np2, 16 5 2014, M.Kemal (Cesa)

Hymenoptera

(Figs. 223-226)

For the time being, this order is represented by the following 9 families: *Apidae* (9), *Argidae* (1), *Crabronidae* (1), *Cynipidae* (1), *Halictidae* (2), *Ichneumonidae* (1), *Megachilidae* (2), *Scoliidae* (1), *Vespidae* (4).

Totally, 22 species are listed here. Numerous species need for identification.

Apidae (9)

338. **Anthophora (s.str.) plumipes (Pallas,1772)** (Apidae) Synonym(s): *plumipes* Pallas,1772; *acervorum* Fabricius,1775; *pilipes* Fabricius,1775; *hirsuta* Fabricius,1787; *rufipes* Christ,1791; *sicula* Smith,1853; *soror* Pérez,1905; *lisbonensis* Cockerell,1922; *palaestinensis* Hedicke,1936; *cyprica* Mavromoustakis,1957 **Range (in codes):** PT ES BE FR GB DK DE CZ SK CH AT Sa Si SS HU EE FI IT CY IL Pa TR RU CN JP 25 65 76 25L 25R 65F 65Fd 65Fp 65Fz 65K 65Kz 65Kg 65N 65Nc 65Nç 65Np 65Np1 65Nm 76B 76Bf 76Bh 76Bç
339. **Bombus (Megabombus) armeniacus (Radoszkowski,1877)** (Apidae) Synonym(s): *armeniaceus* Radoszkowski,1877; *scythes* Skorikov,1925 **Range (in codes):** TR Cc AM IR Ak Th Elb RU RO GR MK UA Cm YU BG PL KG 03 04 06 25 30 36 38 42 65 36C 36D 36Df 65F 65Fp 65Fz 65N 65Np 65Nr3 65Nr4 65Nm
340. **Ceratina cyanea (Kirby,1802)** (Apidae) Synonym(s): *cyanea* Kirby,1802; *coerulea* Chevrier,1872; *chevrieri* Tournier,1876; *imitatrix* Markowsky,1938 **Range (in codes):** DZ TN PT ES FR GB BE NL DE NO SE EE PL UA RU Ur Cc MD RO CZ SK CH AT IT Co Sa Si HV YU AL MK GR BG Cr TR 65 65N 65Nr7 65Nm
341. **Melecta albifrons (Förster,1771)** (Apidae) Synonym(s): *albifrons* Förster,1771; *punctata* Fabricius,1775; *albovaria* Erichson,1840; *armata* Panzer,1799; *pseudoarmata* Radoszkowski,1893; *mediterranea* Gribodo,1893; *gigantea* Friese,1925; *minima* Friese,1925 **Range (in codes):** DZ MA TN LY Cy EG GB DK PT ES FR BE DE EE PL CZ SK UA RO HU CH AT IT Sa Co Si SS HV YU GR Ae Le Sms Rd Cr BG Cr Rd CY TR AZ Len Cc Kir IR Ha IL Pa Js LB Bsa SY 01 06 25 34 35 37 50 53 60 63 65 70 73 25F 65N 65Np7 65Nm
342. **Xylocopa (Copoxyla) armeniaca Warncke,1982** (Apidae) Synonym(s): *armeniaca* Warncke,1982 **Range (in codes):** AM Cc TR 30 36 65 73 30B 30Be 30D 30Du 36F 36Fb 65N 65Np1 65Nr4 65Nm 73C 73A 73Ağ 73Cd **New record for the fauna of Van Province!**
343. **Xylocopa (Copoxyla) iris (Christ,1791)** (Apidae) Synonym(s): *iris* Christ,1791; *nasuta* Christ,1791; *cyaneus* Brullé,1832; *taurica* Erichson,1841; *minuta* Lepeletier,1841; *canuta* Rondani,1874; *virescentis* Strand,1917; *aliceae* Cockerell,1931 **Range (in codes):** ES FR DE RU CZ SK CH AT IT Co Sa Cr SS HU RO GR TR IL Pa IR Elb Th AF TJ TM KG 01 04 06 07 09 24 25 30 33 36 48 51 65 73 30B 65D 65Dç 65F 65Fd 65Fp 65Fz 65N 65Np5 65Nm
344. **Xylocopa (Proxycopa) olivieri Lepeletier,1841** (Apidae) Synonym(s): *olivieri* Lepeletier,1841 **Range (in codes):** ES AL MK GR Cr IL Pa Js IQ Amr Kku Bgd TR IR Ha Kd Ke Ss AF KK TM Kp PK CN Ui 01 04 06 07 08 13 20 24 25 30 31 36 38 42 48 51 56 65 73 25M 30D 56F 56Fm 65D 65K 65Ku 65N 65Np4 65Np6 65Nr4 65Nm
345. **Xylocopa (s.str.) valga Gerstaecker,1872** (Apidae) Synonym(s): *valga* Gerstaecker,1872; *ramulorum* Rondani,1874; *convexa* Smith,1878 **Range (in codes):** ES FR CH AT IT CZ SK HU PL EE FI RU UA SS TR IR Elb 01 08 12 24 25 26 29 30 31 32 36 38 42 65 30D 30Df 65B 65N 65Nr6 65Nm
346. **Xylocopa (s.str.) violacea (Linnaeus,1758)** (Apidae) Synonym(s): *violacea* Linnaeus,1758; *insubrica* Müller,1766; *femorata* Fabricius,1804 **Range (in codes):** GB ES FR BE DE PL CZ SK CH AT HU IT RU FI UA GR TR IQ Bgd IR Elb Mz 01 04 07 08 09 13 16 24 25 29 30 31 32 33 36 42 51 55 57 61 65 76 30Du 31K 31Ka 65F 65F1 65Fd 65Fp 65Fz 65K 65Ky 65Ky1 65N 65Np 65Np5 65Np8 65Nr6 65Nm 76B 76Bf 76Bh

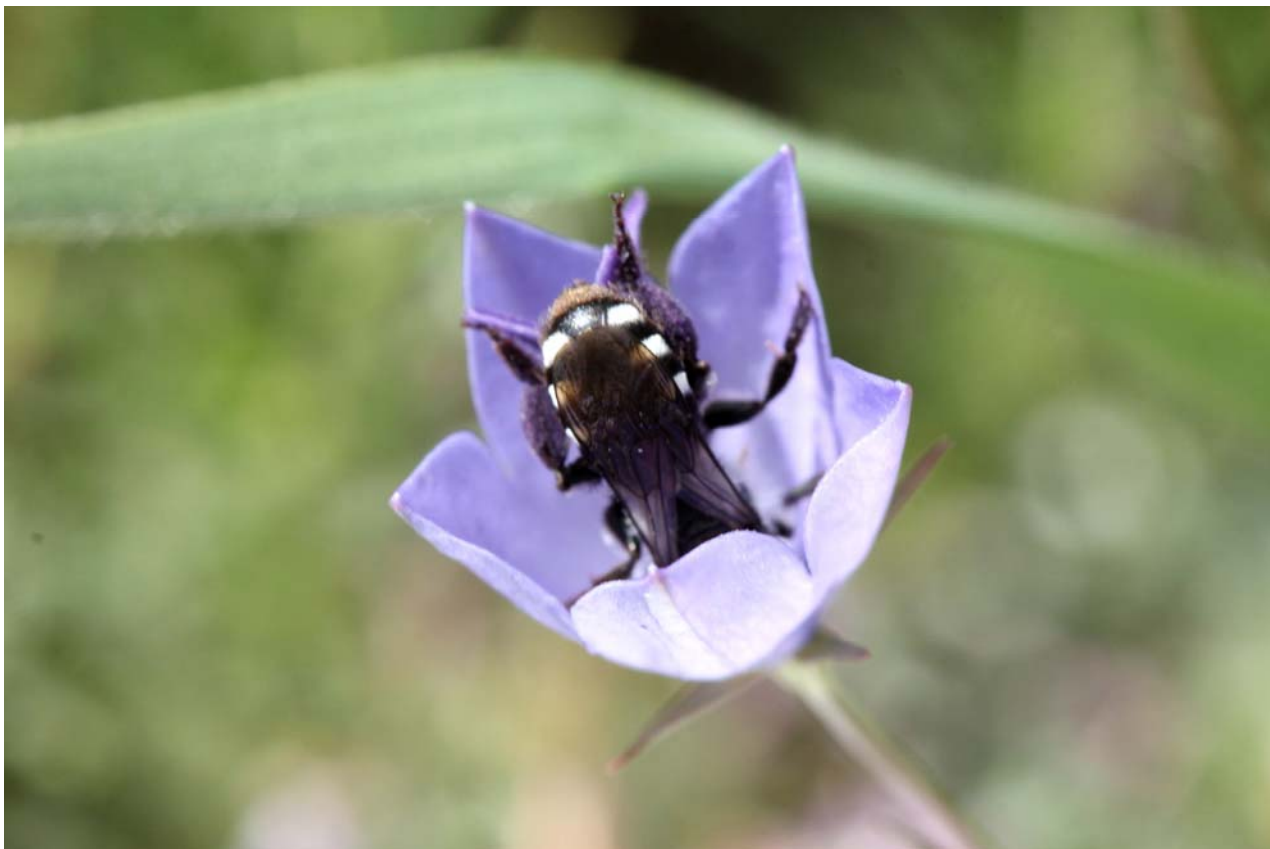


Fig. 223 – *Melecta* sp. (*Apidae*), during feeding in *Campanula* flower (*Campanulaceae*). Gören Mt. 65Np1, 28 5 2014, M.Kemal (Cesa)



Fig. 224 – *Xylocopa* (*Apidae*), during feeding on the flower (*Lamiaceae*). Gören Mt. 65Np, 15 6 2014, M.Kemal (Cesa)

Argidae (1)

347. **Arge pagana (Panzer,1798)** (Argidae) Synonym(s): *pagana* Panzer,1798; *flaviventris* Fallén,1807; *stephensii* Leach,1817 Range (in codes): **GB ES FR BE NL DK DE SE FI RU UA RO BG YU AL MK B-H HU CZ SK PL CH AT IT Sa Si TR Cc Sb Kmt MN CN Mc JP 65 65N 65Np 65Nm**

Crabronidae (1)

348. **Bembix rostrata (Linnaeus,1758)** (Crabronidae) Synonym(s): *rostrata* Linnaeus,1758; *armata* Gmelin,1790; *vidua* Lepeletier,1845; *dissecta* Dahlbom,1845; *gallica* Mocsary,1883; *paradoxa* Giner Mari,1943 Range (in codes): **MA DZ PT ES SE DK DE FR AT CH PL HU BE BG TR UA Cm IT RO RU Sb At KG TJ TM UZ Tas AF CN IMn 10 25 34 35 36 38 48 57 65 65N 65Nr6 65Nm**

Cynipidae (1)

349. **Diplolepis fructuum (Rübsaamen,1895)** (Cynipidae) Synonym(s): *fructuum* Rübsaamen,1895 Range (in codes): **TR GG Bku Tbl Cc UA Cm 13 65 13F 65N 65Nc 65Np 65Nm 65L 65Le 65D 65Dj**

Halictidae (2)

350. **Halictus (Hexataenites) scabiosae (Rossi,1790)** (Halictidae) Synonym(s): *scabiosae* Rossi,1790; *alternans* Fabricius,1793; *zebrus* Walckenaer,1817; *griseozonatus* Dours,1872; *powelli* Cockerell,1931 Range (in codes): **GR Ae Le TR 06 16 25 34 36 65 76 65G 65N 65Np1 65Nm**
351. **Halictus (Vestitohalictus) pollinosus Sichel,1860** (Halictidae) Synonym(s): *pollinosus* Sichel,1860 Range (in codes): **GR Ae Le Chi Kos Rd Cr CY IL Pa JO IR TR 06 56 65 76 56F 65D 65Dh 65N 65Np 65Np8 65Nm 76A 76Ac**



Fig. 225 - Halictus (Vestitohalictus) pollinosus (Halictidae), during feeding on flower. Gören Mt. 65Np, 3 6 2014, M.Kemal (Cesa)

Ichneumonidae (1)

352. **Spilichneumon occisorius (Fabricius,1793)** (Ichneumonidae) Synonym(s): *occisorius Fabricius,1793* ES GB NO DK DE PL RU UA CZ BE NL FR CH IT Si HU MD RO BG TR 65 65N 65Np 65Nm
New record for the fauna of Van Province!

Megachilidae (2)

353. **Anthidium (Rhodanthidium) superbum Radoszkowski,1876** (Megachilidae) Synonym(s): *superbum Radoszkowski,1876; christophi Morawitz,1884; grande Friese,1897* Range (in codes): TR AM Cc IR Kh TM 05 06 25 33 36 51 60 65 06A 06Aa 06K 06Kb 25F 25R 60F 65B 65D 65Dd 65F 65Fb 65Fe 65Fp 65Fş 65Fz 65N 65Np5 65Nr2 65Nr4 65Nm
354. **Chalicodoma (s.str.) parietina (Geoffroy,1785)** (Megachilidae) Synonym(s): *parietina Geoffroy,1785* Range (in codes): DZ FR DE PL UA CZ SK HU CH AT SS IT Sa Si GR RU Cc TR IL Pa 13 24 25 36 42 49 65 13F 65N 65Nr3 65Nm New record for the fauna of Van Province!

Scoliidae (1)

355. **Dasyscolia ciliata (Fabricius,1787)** (Scoliidae) Synonym(s): *ciliata Fabricius,1787; araratica Radoskovsky,1890; fastuosa Gribodo,1893* Range (in codes): MA PT ES MT GR Rd TR Arr IR Fa Shr Kh Mz Th Elb Ha Es IL Pa Cc IT Sa Si 01 04 06 07 10 24 31 33 35 36 45 48 49 58 65 63 72 76 06O 36D 65N 65Np 65Np2 65Nm 72E 76D 76Dg New record for the fauna of Van Province!

Vespidae (4)

356. **Ceramius caucasicus André,1884** (Vespidae) Synonym(s): *caucasicus André,1884* Range (in codes): Cc AM IR TR 25 30 65 76 25C 25Ca 65F 65Fp 65Fz 65N 65Nr3 65Nm 76B 76Bf 76Bh
357. **Polistes (s.str.) gallicus (Linnaeus,1767)** (Vespidae) Synonym(s): *gallicus Linnaeus,1767; foederatus Kohl,1898; omissus Weyrauch,1939* Range (in codes): ES YU MK TR FR IT GR AL DZ UA Cc AZ Kir AM IL Pa JO DZ AF PK Skd IR CN MN ET 01 02 06 07 08 09 10 13 20 21 22 23 24 25 26 31 32 33 34 35 36 40 42 44 45 46 47 53 55 63 65 73 75 76 77 78 65D 65F 65F4 65Fp 65Fz 65N 65Nc 65Nc4 65Np 65Nm 76C
358. **Vespa orientalis Linnaeus,1771** (Vespidae) Synonym(s): *orientalis Linnaeus,1771; turcica Drury,1773; quadripunctata Forskal,1775; fusca Christ,1791; aegyptiaca Vallot,1802; nilotica Vallot,1802; jurinei Sauusure,1854; zavattarii Guiglia & Capra,1933; somalica Giordani Soika,1934; arabica Giordani Soika,1957* Range (in codes): IT Si MT AL BG Cr Rd CY RO GR TR JO IR Cc SY LB IQ IL Pa SA BH YE OM AE DZ LY EG ET SO RU TM UZ TJ IR AF KK PK IN Ch Pj Up Ben NP Ui MG MX 01 06 07 08 09 10 11 15 16 20 21 24 25 27 30 31 33 35 36 42 44 45 46 47 48 49 56 63 65 70 73 76 21N 21Nh 30B 30Bo 31K 31Ka 56F 56Fç 56Fo 65D 65D1 65Do 65N 65Np5 65Nm 73A 73Ad 73Ad2
359. **Vespula germanica (Fabricius,1793)** (Vespidae) Synonym(s): *germanica Fabricius,1793* Range (in codes): Cn Az MA TN DZ TR Cc SY JO IR AF PK Bl Hu Dir Swa Ci Abb Msr Psu Cls Qu IN Ch KG Uk MN CN Ui Mc RU Ur Sb Am Us Sh KP KR AU NZ ZA CA US CL AR 05 06 07 08 09 10 12 13 15 16 17 20 21 29 31 32 33 34 35 36 38 40 41 42 44 45 46 47 48 49 50 52 56 60 63 64 65 66 69 73 77 78 12A 12Ab 13A 13Ab 56F 65K 65Kb 65N 65Nc 65Nc4 65Np 65Np5 65Nm 73A 73Ad 73Ad2



Fig. 226 – *Vespa orientalis* (Vespidae), eating flower (Apiaceae). Gören Mt. 65Np5, 30 5 2014, M.Kemal (Cesa)

Coleoptera

(Figs. 227-272)

For the time being, this order is represented by the following 16 families: *Bruchidiidae* (3), *Buprestidae* (2), *Cicindelidae* (1), *Cerambycidae* (10), *Chrysomelidae* (7), *Cleridae* (4), *Coccinellidae* (2), *Curculionidae* (3), *Dermestidae* (1), *Glaphyridae* (2), *Meloidae* (2), *Melyridae* (2), *Mordellidae* (1), *Ripiphoridae* (1), and *Scarabaeidae* (6), *Tenebrionidae*.

Totally, 47 species are listed here. Numerous species need for identification.

Bruchidiidae (3)

- 360. **Bruchidius albopictus (Allard,1883)** (Bruchidae) Synonym(s): *albopictus* Allard,1883 Range (in codes): **TR RU CY 65 65N 65Nc 65Np5 65Nm** **New record for the fauna of Van Province!**
- 361. **Bruchidius bimaculatus (Olivier,1795)** (Bruchidae) Synonym(s): *bimaculatus* Olivier,1795; *variegatus* Germar,1824 Range (in codes): **PT ES FR GB DK DE BE NL CH AT IT Co Sa Si SS B-H YU MK AL GR BG CZ SK PL EE LT LV EE BY RU FI UA RO MD Cr Rd CY TR CY IL Pa JO Amm IQ Bgd Shq 65 65N 65Np5 65Nm** **New record for the fauna of Van Province!**
- 362. **Bruchidius quinqueguttatus (Olivier,1795)** (Bruchidae) Synonym(s): *quinqueguttatus* Olivier,1795 Range (in codes): **AM Cc TR CY LB Bei IL Pa JO IQ Su IR Th 65 65N 65Np 65Nm** **New record for the fauna of Van Province!**



Fig. 227 - *Bruchidius albopictus* (Bruchidae) during feeding on the flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np5, 4 5 2014, M.Kemal (Cesa)



Fig. 228 - *Bruchidius bimaculatus* (Bruchidae) during feeding on the flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np5, 4 5 2014, M.Kemal (Cesa)



Fig. 229 - *Bruchidius quinqueguttatus* (Bruchidae), during feeding on the flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np5, 4 5 2014, M.Kemal (Cesa)

Buprestidae (2)

- 363. *Coraebus rubi* (Linnaeus,1767)** (Buprestidae) Synonym(s): *rubi* Linnaeus,1767; *nebulosus* Scopoli,1772
Range (in codes): **PT ES FR Co Sa Si IT CH AT DE PL RU UA MD RO SS HV B-H YU AL MK GR BG CZ SK HU**
Cr Rd CY TR 65 65N 65Np 65Np2 65Nm **New record for the fauna of Van Province!**
- 364. *Julodis andreae* (Olivier,1790)** (Buprestidae) Synonym(s): *andreae* Olivier,1790; *sovitzi* Steven,1830; *setosa* Steven,1830; *lineigera* Marseul,1865; *ampliata* Marseul,1865; *stevensii* Saunders,1871; *hampei* Thomson,1878; *lineata* Kerremans,1886; *subviolacea* Abeille de Perrin,1904; *tenuelineata* Abeille de Perrin,1904; *derasa* Abeille de Perrin,1904; *costifera* Obenberger,1919
Range (in codes): **TR IL Pa SY IR Ak Ab AM Cc 07 13 31 46 49 56 65 76 13C 56C**
56Cd 56F 56Fç 65N 65Np 65Np1 65Nr2 65Np5 65Nm 76B 76Bj **New record for the fauna of Van Province!**



Fig. 230 – *Coraebus rubi* (Buprestidae), at rest. Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)



Fig. 231 - *Julodis andreae* (Buprestidae), diurnal and common in the area. Gören Mt. 65Np5, 4 5 2014, M.Kemal (Cesa)

Cicindelidae (1)

365. **Cicindela desertorum Dejean, 1825**⁹ (Carabidae) Synonym(s): *desertorum* Dejean, 1825 Range (in codes): TR RU Ur GG AZ AM 08 13 28 29 52 53 61 65 73 75 76 13F 13F11 65G 65Gf 65N 65Ng 65Nr6 65Nm 76C

Cerambycidae (10)

366. **Agapanthia (Agapanthiopia) coeruleipennis Frivaldsky, 1878** (Cerambycidae) Synonym(s): *coeruleipennis* Frivaldsky, 1878; *brevis* Pic, 1891 Range (in codes): TR IR SY 02 07 12 25 30 31 32 44 46 47 62 63 65 02F 02Fc 30D 30Df 31M 65N 65Nr7 65Np1 65Nm **New record for the fauna of Van Province!**
367. **Dorcadion (Cribridorcadion) mnischei Kraatz, 1873** (Cerambycidae) Synonym(s): *mnischei* Kraatz, 1873; *rugulosum* Breuning, 1946 Range (in codes): AM Svn Cc TR Arr IR 04 25 36 58 65 76 36D 36Da 65N 65Np 65Np1 65Nm 76C **New record for the fauna of Van Province!**
368. **Helladia armeniaca Frivaldsky, 1878** (Cerambycidae) Synonym(s): *armeniaca* Frivaldsky, 1878; *testaceovittata* Pic, 1934; *iranica* Villers, 1960; *natali* Lobanov, 1994; *holzschuchi* Özdikmen, 2008. Range (in codes): TR AM Cc IR Oru 13 49 65 49E 49Ea 65D 65Dn 65K 65Ku 65N 65Nr7 65Nm
369. **Mallosia (Eusemnosia) interrupta (Pic, 1905)** (Cerambycidae) Synonym(s): *interrupta* Pic, 1905 Range (in codes): TR IR 13 56 65 13G 13Gö 13Gg 56F 56Fc 65B 65D 65Db 65Dd 65F 65Fe 65Fz 65N 65Nr4 65Nm
370. **Musaria astarte (Ganglbauer, 1885)** (Cerambycidae) Synonym(s): *astarte* Ganglbauer, 1885 Range (in codes): TR SY Dms LB 02 65 80 02F 02Fc 65K 65Kç 65N 65Nr4 65Nm 80C
371. **Musaria puncticollis (Faldermann, 1837)** (Cerambycidae) Synonym(s): *puncticollis* Faldermann, 1837 Range (in codes): TR IR Ab AM Cc 13 56 65 13G 56F 56F1 65D 65Dg 65N 65Nr4 65Nm
372. **Neoplagonotus bobelayei (Brullé, 1832)** (Cerambycidae) Synonym(s): *speciosus* Adams, 1817; *bobelayei* Brullé, 1832 Range (in codes): BG TR MK GR RO UA RU AM Cc SY JO IR 33 56 65 56F 56F1 56Fp 65N 65Np 65Nm **New record for the fauna of Van Province!**
373. **Pteromallosia albolineata (Hampe, 1852)** (Cerambycidae) Synonym(s): *albolineata* Hampe, 1852 Range (in codes): TR GG AM AZ Cc IR 02 13 65 13G 13Ge1 65N 65Nr4 65Nm **New record for the fauna of Van Province!**
374. **Purpuricenens wachanrui Levrat, 1858** (Cerambycidae) Synonym(s): *wachanrui* Levrat, 1858; *aleppensis* Witte, 1872; *haussknechti* Witte, 1872; *atricolor* Pic, 1912; *diversipennis* Pic, 1915 Range (in codes): Cc AM TR IR IQ CY AZ SY Hal 01 02 12 13 21 44 49 62 65 02F 65D 65Dr 65Drb 65Dn 65K 65Ku 65N 65Np 65Np2 65Nm
375. **Vadonia unipunctata (Fabricius, 1787)** (Cerambycidae) Synonym(s): *unipunctata* Fabricius, 1787 Range (in codes): DZ TR Cc IR KG SK ES FR IT GR BG AT CZ SK PL MD UA Cm RU 13 24 62 65 65K 65Kd 65K 65Kg 65N 65Np 65Nm

⁹ *Cicindela desertorum* and *Cicindela turkestanicoides* are two closely allied species, and both of them recorded in Van Province. Further faunistical studies are needed in the area.



Fig. 232 – *Agapanthia coeruleipennis* (Cerambycidae), male. Gören Mt. 65Nr7, 17 5 2014, M.Kemal (Cesa)



Fig. 233 – *Dorcadion mnischei* (Cerambycidae). Gören Mt. 65Np1, 11 5 2014, M.Kemal (Cesa)



Fig. 234 – *Helladia armeniaca* (Cerambycidae). Gören Mt. 65Nr7, 17 5 2014, M.Kemal (Cesa)



Fig. 235 – *Mallosia interrupta* (Cerambycidae) on *Prangos* (Apiaceae). Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)



Fig. 236 – *Mallosia interrupta* (Cerambycidae) on *Prangos* (Apiaceae). Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)



Fig. 237 – *Mallosia interrupta* (Cerambycidae), copulation competition among two males and one female. Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)



Fig. 238 – *Musaria astarte* ssp. *lederi* (Cerambycidae). Gören Mt. 65Nr2, 10 6 2014, M.Kemal (Cesa)



Fig. 239 – *Purpuricenus wachanrui* (Cerambycidae), males. Gören Mt. 65Np, 14 6 2014, M.Kemal (Cesa)



Fig. 240 – *Purpuricenus wachanrui* (Cerambycidae), female. Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)



Fig. 241– *Vadonia unipunctata* (Cerambycidae) on *Euphorbia*. Gören Mt. 65Np, 30 5 2014, M.Kemal (Cesa)

Chrysomelidae (7)

376. **Cassida strejceki Sekerka,2006** (Chrysomelidae) Synonym(s): *strejceki Sekerka,2006* Range (in codes): **TR 49 65 49E 49Ea 65N 65Np 65Nm** **New record for the fauna of Van Province!**
377. **Clytra (Clytraria) novempunctata Olivier,1808** (Chrysomelidae) Synonym(s): *novempunctata Olivier,1808; elata Weise,1881; persica Pic,1920* Range (in codes): **IT Si RO UA BG TR Cc SY IQ IR RU 05 06 08 09 19 20 25 27 28 33 35 38 42 45 47 48 51 56 58 60 64 65 66 08D 25O 25S 65N 65Np 65Nm** **New record for the fauna of Van Province!**
378. **Clytra (Clytraria) valeriana Ménéttriés,1832** (Chrysomelidae) Synonym(s): *valeriana Ménéttriés,1832; tetrastigma Schmidt,1841; #valerianae Aydın & Kısmalı,1990* Range (in codes): **YU GR BG TR AM Cc UA Cm IT Si RU IR 06 07 09 24 25 26 33 35 38 42 45 50 51 58 64 65 66 68 76 25C 25O 25M 25R 65D 65Dc 65F 65Fp 65Fz 65K 65Kz 65Kg 65N 65Np 65Nm 76A 76Ac**
379. **Clytra (Ovoclytra) bodemeyeri Weise,1900** (Chrysomelidae) Synonym(s): *bodemeyeri Weise,1900* Range (in codes): **TR IQ CY 06 07 11 25 27 31 32 33 42 48 51 65 80 25A 25S 42X 65N 65Np 65Np2 65Nm** **New record for the fauna of Van Province!**
380. **Entomoscelis sacra (Linnaeus,1758)** (Chrysomelidae) Synonym(s): *sacra Linnaeus,1758; melanostoma Gmelin,1790; berytensis Reiche & Saulcy,1858* Range (in codes): **AT HU LB Bei SY IL Pa TR EG RO 26 35 65 65N 65Nc 65Nş 65Nm** **New record for the fauna of Van Province!**
381. **Galeruca (s.str.) armeniaca Weise,1886** (Chrysomelidae) Synonym(s): *armeniaca Weise,1886; fulvimargo Reitter,1901* Range (in codes): **IR RU Ao AM Cc KK KG TJ TM TR UZ 03 25 32 36 65 76 65L 65Lc 65N 65Np1 65Nm**
382. **Labidostoma sp.** (Chrysomelidae) Range (in codes): **TR 65 65N 65Nr7 65Nm**



Fig. 242 – *Cassida strejceki* (Chrysomelidae). Gören Mt. 65Np, 23 4 2014, M.Kemal (Cesa)



Fig. 243 - *Clytra bodemeyeri* (Chrysomelidae), ready to fly. Gören Mt. 65Np, 16 5 2014, M.Kemal (Cesa)



Fig. 244 - *Clytra bodemeyeri* (Chrysomelidae). Gören Mt. 65Np, 16 5 2014, M.Kemal (Cesa)



Fig. 245 - *Clytra* sp. (*Chrysomelidae*). Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 246 - *Entomoscelis sacra* (*Chrysomelidae*). Gören Mt. 65Nş, 10 6 2014, M.Kemal (Cesa)



Fig. 247 – *Galeruca* aff. *armeniaca* (*Chrysomelidae*). Gören Mt. 65Np1, 28 5 2014, M.Kemal (Cesa)



Fig. 248 - *Labidostoma* sp. (*Chrysomelidae*), in copula. Gören Mt. 65Nr7, 17 5 2014, M.Kemal (Cesa)

Cleridae (4)

383. **Trichodes dilatipennis** Reitter,1893 (Cleridae) Synonym(s): *dilatipennis* Reitter,1893 Range (in codes): TR SY JO IL Pa 01 27 30 33 46 65 80 30B 30Ba 30Ba1 31M 65F 65Fp 65Fz 65N 65Nr2 65Nm **New record for the fauna of Van Province!**
384. **Trichodes heydeni** Escherich,1892 (Cleridae) Synonym(s): *heydeni* Escherich,1892; *anatolicus* Reitter,1893 Range (in codes): Cc AZ Nv Ord TR SY IR Ab Ak IQ Mos 25 38 44 65 65F 65Fd 65K 65Kd 65N 65Nb 65Np2 65Np8 65Nm
385. **Trichodes nobilis** Klug,1842 (Cleridae) Synonym(s): *nobilis* Klug,1842; *sanguineosignatus* Spinola,1844 Range (in codes): AL GR TR SY IL Pa Js IR Elb Th Cc AM TJ Pm KG 07 09 13 17 20 26 34 35 42 45 47 50 65 71 65N 65Np4 65Nm **New record for the fauna of Van Province!**
386. **Trichodes quadriguttatus** Adams,1817 (Cleridae) Synonym(s): *quadriguttatus* Adams,1817; *quadripustulatus* Brullé,1832; *quadripunctatus* Spinola,1844 Range (in codes): GR BG TR IL Pa SY JO Cc GG Tbl IR Ak Ab TM KG 01 05 06 07 08 09 16 17 19 20 23 24 26 30 31 32 34 35 38 39 42 44 45 46 50 51 58 60 65 66 69 70 71 73 80 06R 06V 06Vb 58G 65F 65Fp 65Fz 65N 65Nc 65Np1 65Np4 65Np7 65Nm



Fig. 249 – *Trichodes dilatipennis* (Cleridae) on Asteraceae. Gören Mt. 65Np, 14 6 2014, M.Kemal (Cesa)



Fig. 250 – *Trichodes heydeni* (Cleridae) on Dipsacaceae flower. Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)



Fig. 251 – *Trichodes nobilis* (Cleridae), during feeding Achillea flower (Asteraceae). Gören Mt. 65Nr4, 14 6 2014, M.Kemal (Cesa)

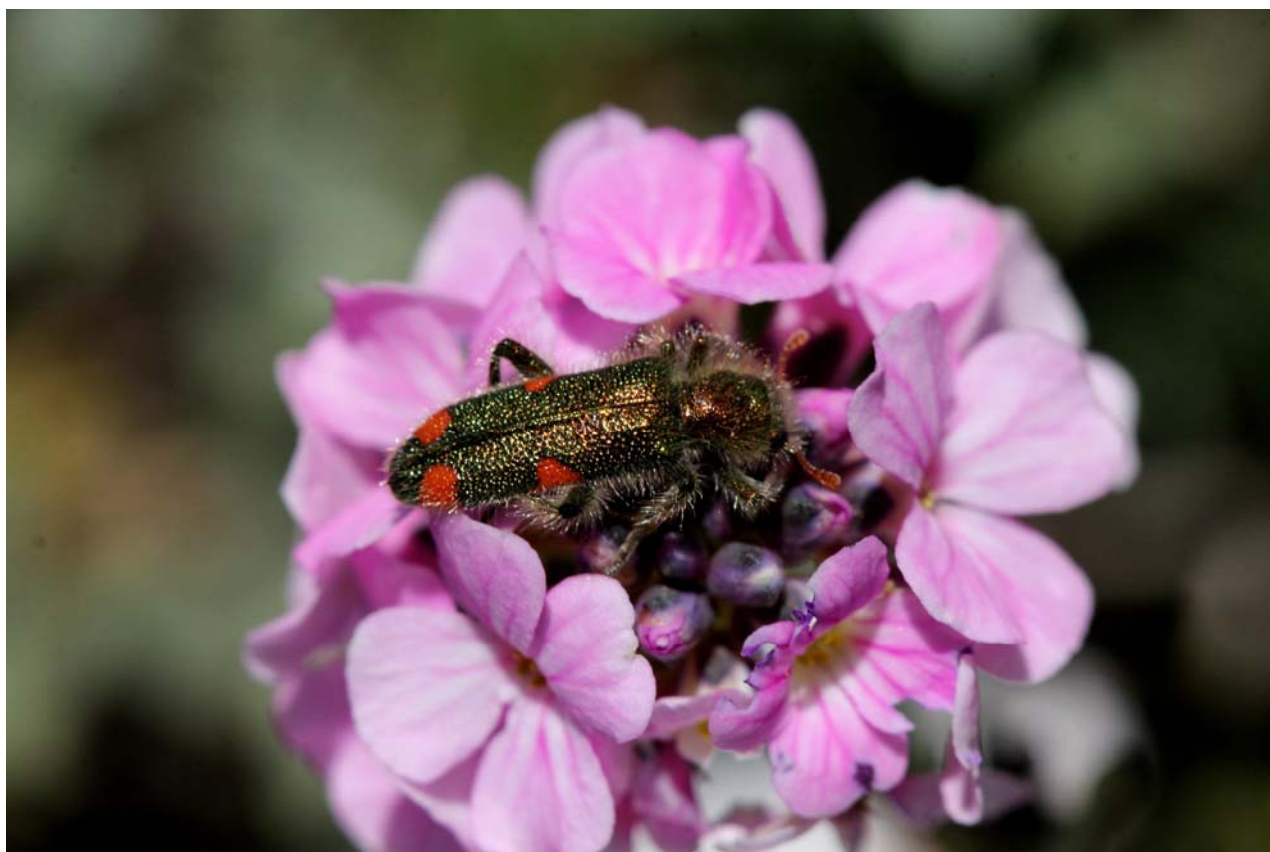


Fig. 252 – *Trichodes quadriguttatus* (Cleridae), during feeding on *Aethionema* flower (Brassicaceae). Gören Mt. 65Np4, 7 6 2014, M.Kemal (Cesa)

Coccinellidae (2)

- 387. Hippodamia (Adonia) variegata (Goeze,1777)** (Coccinellidae) Synonym(s): *novempunctata* Scopoli,1763; *variegata* Goeze,1777; *cabrini* Fourcroy,1785; *tredecimpunctata* Fourcroy,1785; *mutabilis* Scriba,1790; *septemnotata* Fabricius,1793; *fennica* Thunberg,1795; *laeta* Fabricius,1798; *corsica* Weise,1879... Range (in codes):
FR Co IT Sa Si TR SA IN CN Ui Nra 05 06 07 09 10 15 20 21 22 23 24 25 31 32 33 36 38 42 44 45 46 47 51 56 59 63 65 73 65N 65Nc 65Np4 65Nm
- 388. Coccinella (s.str.) septempunctata Linnaeus,1758** (Coccinellidae) Synonym(s): *septempunctata* Linnaeus,1758; *brucki* Mulsant,1866 Range (in codes): **Az Md BE NL PT ES Co Sa Si GB IE IC NO SE FI SS HU HV B-H YU AL MK GR BG RO CH AT CZ SK DE PL DK EE LT LV BY RU UA MD MT Cr Rd CY IT TR IR 01 06 07 08 10 13 14 15 16 17 18 20 21 22 23 24 25 27 30 31 32 33 34 35 36 38 42 44 45 46 47 48 51 53 56 58 59 65 73 76 13F 13G 13Gö 13Gg 21N 21Nb 21Nc 30A 30Ae 31K 31Ka 36D 36Db 56D 56Db 56Dc 56Dh 56F 56Fa 56Fc 65F 65Fi 65Fd 65Fw 65Fz 65N 65Nc 65Np 65Nr6 65Nr7 65Nm 73D 73Df 76B 76Bf 76Bh**



Fig. 253 – *Coccinellid species (Coccinellidae)*. Gören Mt. 65Np5, 30 5 2014, M.Kemal (Cesa)



Fig. 254 – *Coccinella septempunctata (Coccinellidae)* together with the aphids. Gören Mt. 65Np, 10 5 2014, M. Kemal (Cesa)

Curculionidae (3)

389. *Cionus sp.* (Curculionidae) Range (in codes): **TR 65 65N 65Ns 65Nm**

390. **Eusomus sp. ?** (Curculionidae) Range (in codes): TR 65 65N 65Np2 65Nm
391. **Larinus onopordi (Fabricius,1787)** (Curculionidae) Synonym(s): *onopordi Fabricius,1787* Range (in codes): TR 01 02 07 12 13 23 27 30 31 33 35 40 45 46 47 50 51 56 63 65 70 76 80 56F 65F 65Fp 65Fz 65H 65N 65Nr3 65Nm 76D 76Dğ



Fig. 255 – *Cionus* sp. (Curculionidae), on *Verbascum* (Scrophulariaceae). Gören Mt. 65Ns, 28 5 2014, M.Kemal (Cesa)



Fig. 256 – An entiminid species (Curculionidae), in copula. According to the image, the species may belong to *Eusomus* or allied genus. Closer examination is needed. Gören Mt. 65Np2, 25 6 2014, M.Kemal (Cesa)

Dermestidae (1)

392. **Anthrenus (s.str.) pimpinellae (Fabricius,1775)** (Dermestidae) Synonym(s): *pimpinellae* Fabricius,1775; *scrophulariae* Fourcroy,1785 nec Linn.,1758 Range (in codes): MA TN ES FR IT AL BG GR Cr TR US 25 65 76 25F 65N 65Nc 65Np 65Nm 76D New record for the fauna of Van Province!

Glaphyridae (2)

393. **Amphicoma (Eulasia) arctos (Pallas,1781)** (Glaphyridae) Synonym(s): *arctos* Pallas,1781; *martes* Frivaldsky,1845; *armeniaca* Reitter,1890; *subfasciatula* Reitter,1903; *anatolica* Reitter,1903 Range (in codes): BG TR GG AM Cc 05 13 19 27 33 37 44 46 56 60 65 75 78 44A 44Ab 56F 56Fs 65F 65Fp 65Fz 65N 65Ns 65Np1 65Ns 65Nm
394. **Amphicoma (Vittateulasia) vittata (Fabricius,1775)** (Glaphyridae) Synonym(s): *vittata* Fabricius,1775; *lineata* Faldermann,1835; *strigata* Walth,1838; *smyrnensis* Castelnau,1840; *syriaca* Kollar & Redtenbacher,1843; *africana* Reitter,1890; *chrysura* Reitter,1890; *decorata* Reitter,1890; *semifulva* Reitter,1890; *lateritia* Reitter,1903; *pseudochrysura* Miksic,1960; *persica* Petrovitz,1963 Range (in codes): SY BG GR Rd TR IR 01 07 13 19 31 33 35 38 46 49 50 60 65 80 65D 65Dn 65D1 65N 65Nb 65Np8 65Nm



Fig. 257 *Amphicoma arctos* (Glaphyridae), in copula on *Euphorbia* (Euphorbiaceae); an anthophag species. Gören Mt. 65Ns, 28 5 2014, M.Kemal (Cesa)



Fig. 258 – *Amphicoma vittata* (Glaphyridae), anthophag on *Carduus* (Asteraceae). Gören. Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)

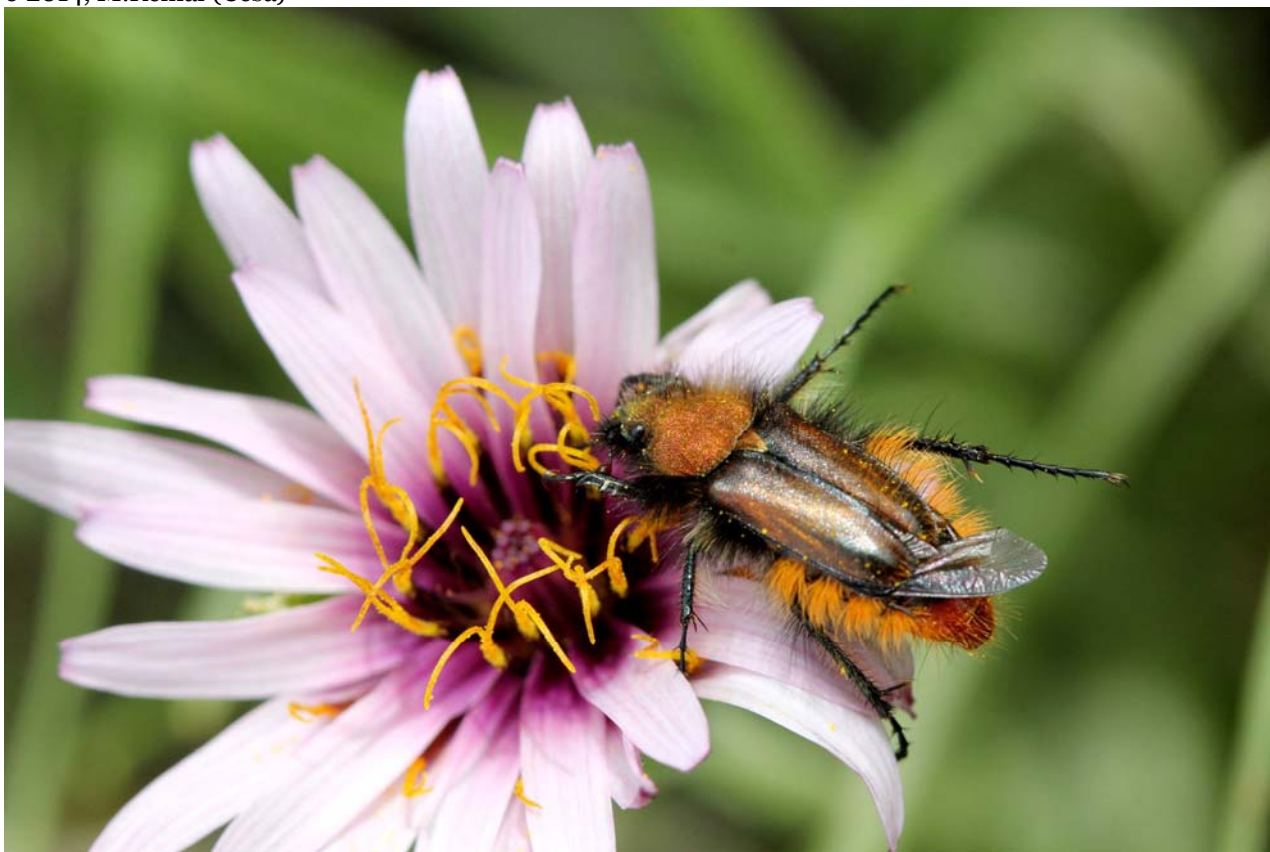


Fig. 259 – Additional *Amphicoma* (s.l.) sp. (Glaphyridae), feeding flower of *Tragopogon* (Asteraceae). Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)

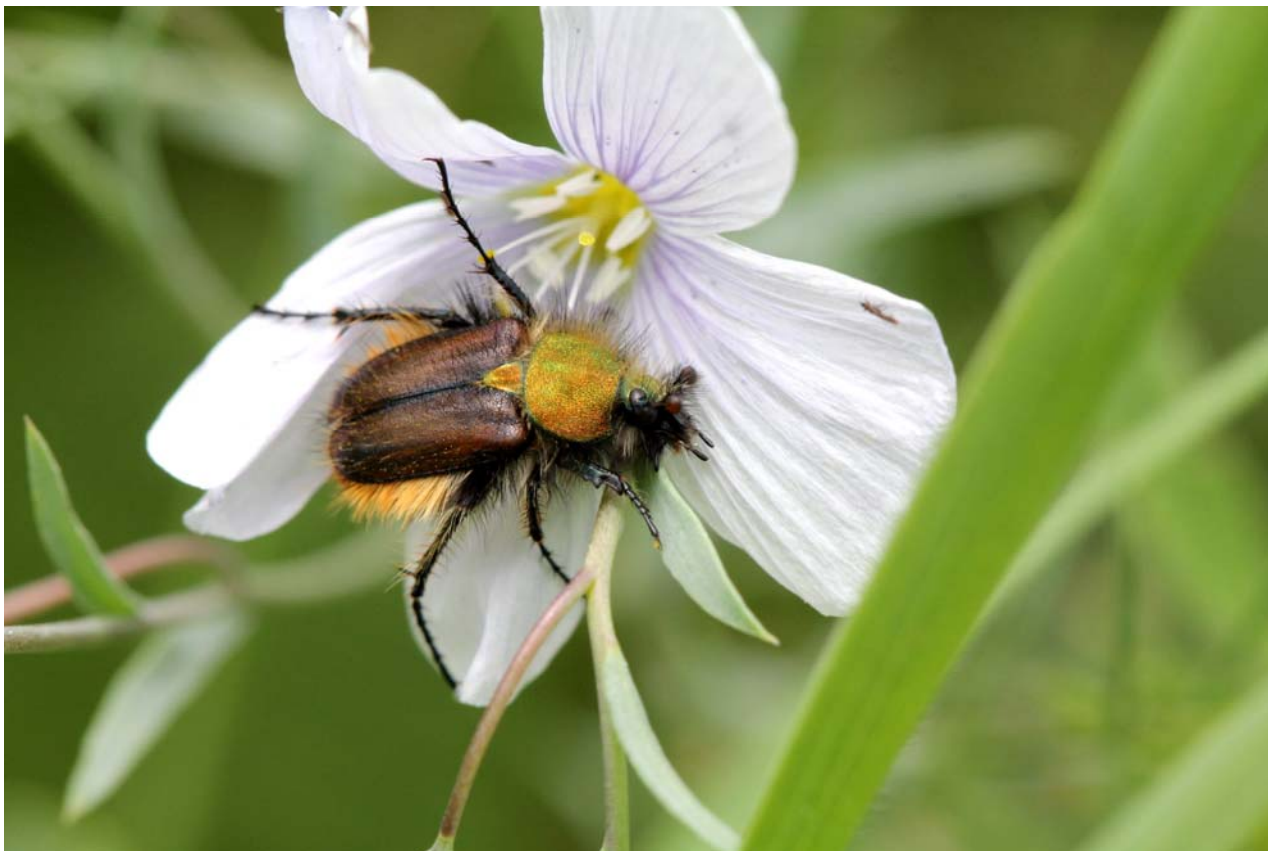


Fig. 260 – Additional *Amphicoma* (s.l.) sp. (*Glaphyridae*), feeding flower of *Linum* (*Linaceae*). Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 261 – Additional *Amphicoma* (s.l.) sp. (*Glaphyridae*), feeding flower of *Ranunculus* (*Ranunculaceae*). Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)

Meloidae (2)

395. **Lydus unicolor** Reitter,1887 (Meloidae) Synonym(s): *unicolor* Reitter,1887; *glabricollis* Escherich,1896; *halbhuberi* Escherich,1896; *bitlisiensis* Pic,1901; *signatithorax* Pic,1902 Range (in codes): **TR Cc AM IR Ha AZ IL Pa LB JO SY TM 01 08 13 24 25 49 65 69 80 65N 65Np 65Nm** **New record for the fauna of Van Province!**
396. **Meloe (Taphromeloe) erythrocnemus** Pallas,1782 (Meloidae) Synonym(s): *erythrocnemus* Pallas,1782; *corallipes* Gebler,1847 Range (in codes): **DZ MA TN IT Si GR BG KG RO UA YU B-H Cc AZ AM TR MA TN AF IR Se Cm TJ TM KK UZ CN Ui RU Sb 06 42 58 65 65N 65Np 65Np1 65Nm** **New record for the fauna of Van Province!**

Various species of the tribe *Mylabrini* will be separately evaluated (**Figs. 263-265**).



Fig. 262 - *Meloe (Taphromeloe) erythrocnemus* (Meloidae), a rare spring species in the steppe. Gören Mt. 65Np1, 11 5 2014, M.Kemal (Cesa)



Fig. 263 – A mylabrine species on *Lamiaceae*. Gören Mt. 65Np8, 15 6 2014, M.Kemal (Cesa)

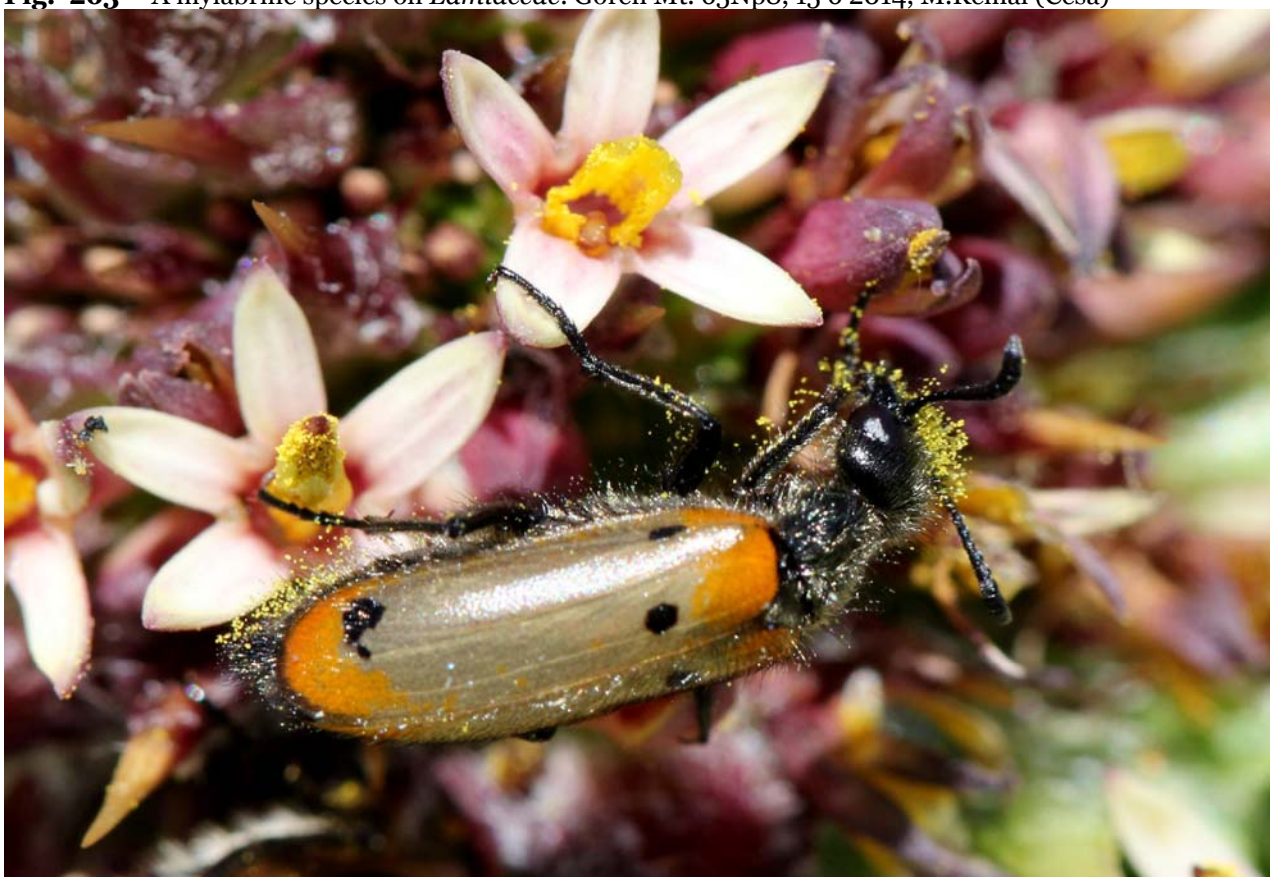


Fig. 264 – A mylabrine species on the flower of *Gundelia tournefortii* (Asteraceae). 65Nr7, 17 5 2014, M.Kemal (Cesa)



Fig. 265 – A mylabrine species on the flower of *Campanula* (Campanulaceae). 65Np1 28 5 2014, M.Kemal (Cesa)



Fig. 266 – *Mordella* sp. (Mordellidae), feeding on flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np, 4 5 2014, M.Kemal (Cesa)



Fig. 267 - *Malachius bipustulatus* (Melyridae), during feeding on flowers of *Cardaria draba* (Brassicaceae). Gören Mt. 65Np, 4 5 2014, M.Kemal (Cesa)

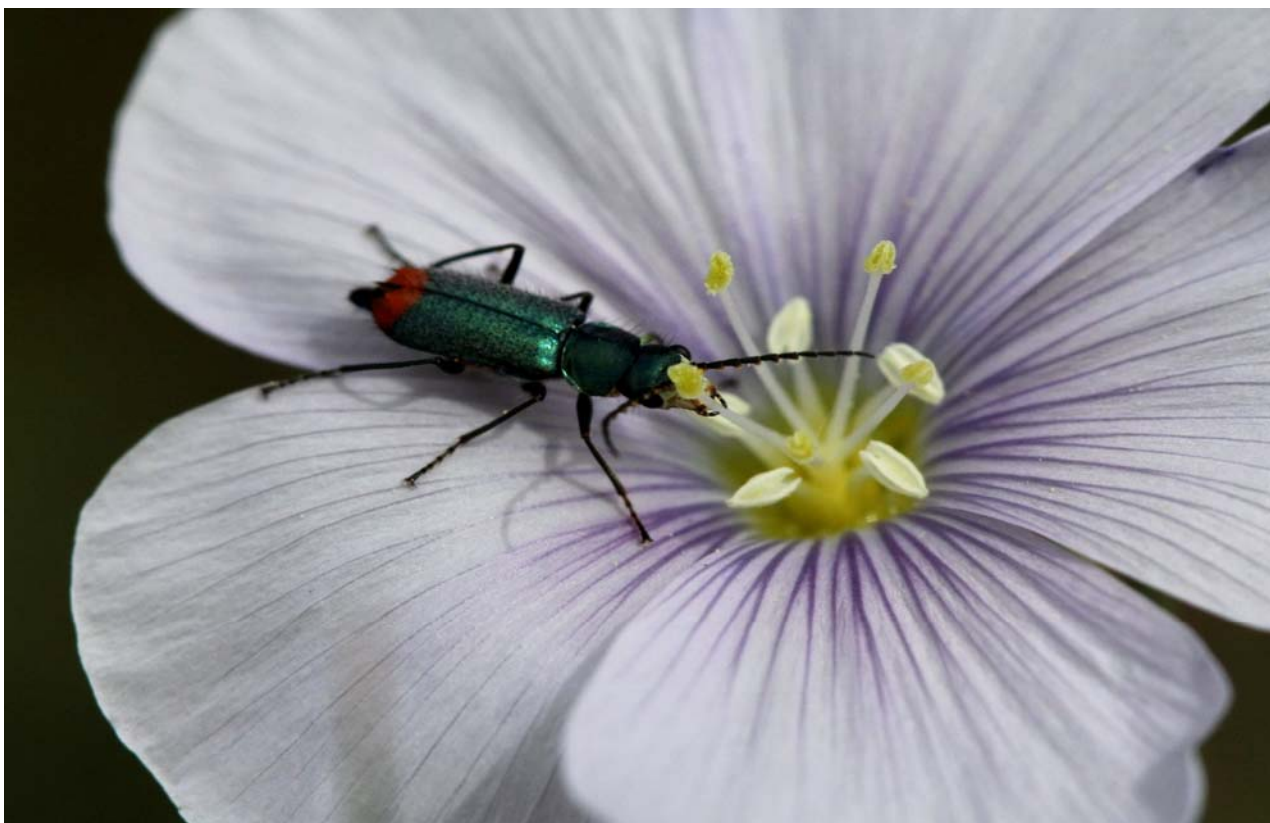


Fig. 268 - *Malachius bipustulatus* (Melyridae), during feeding on flowers of *Linum* (Linaceae). Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 269 - *Malachius bipustulatus* (Melyridae), during feeding on flowers of *Ranunculus* (Ranunculaceae). Gören Mt. 65Np1, 16 5 2014, M.Kemal (Cesa)

Mordellidae (1)

397. *Mordella* sp. (Mordellidae) Range (in codes): **TR 65 65N 65Np 65Nm**

Melyridae (2)

398. *Malachius aeneus* (Linnaeus,1758) (Melyridae) Synonym(s): *aeneus* Linnaeus,1758 Range (in codes): **SE AT DE GR IT RO CZ RU UA AM Cc TR KK KG US 56 65 76 56D 56Db 56Dc 65K 65Ky 65Ky1 65N 65Np 65Nm 76B 76Bf 76Bh 76D 76Dc**
399. *Malachius bipustulatus* (Linnaeus,1758) (Melyridae) Synonym(s): *bipustulatus* Linnaeus,1758 Range (in codes): **AT BG CZ FR DE HU IT PL SE YU RU UA TR KG 46 65 76 65N 65Np 65Np1 65Nm 76B 76Bj 76Bk**

Ripiphoridae (1)

400. *Ptilophorus dufouri* (Latreille,1817) (Ripiphoridae) Synonym(s): *dufour* Latreille,1817; *stevani* Fischer von Waldheim,1829; *frivaldskyi* Guérin de Ménéville,1838; *boryi* Lucas,1849; *striolata* Nowicki,1873 MA DZ TN PT ES FR IT Sa HU RO BG HV TR Cm Cc AM IR IL Pa JO RU 65 65N 65Np1 65Nm **New record for the fauna of Van Province!**

Scarabaeidae (6)

401. *Cetonia* (s.str.) *aurata* (Linnaeus,1761) (Scarabaeidae) Synonym(s): *aurata* Linnaeus,1761; *smaragdus* De Geer,1774; *aenea* Fuessly,1778; *chlorochrysa* Schrank,1776; *viridicoruscus* Voet,1779; *maculata* Scriba,1790; *variabilis* Preyss.,1790; *piligera* Mulsant & Rey,1842; *praeclara* Mulsant & Rey,1842; *clermonti* Bourgin,1948 Range (in codes): **IT LT BY UA Cm SS BG Cc GG AM TR RU Ur Sb KG KK TM IR UZ CN Ui 01 05 12 13 14 27 48 56 57 60 65 67 70 13F 56F 56F1 56Fp 65D 65Dn 65F 65Fp 65Fz 65K 65Kb 65N 65Np2 65Ns 65Nr3 65Nm**
402. *Gymnopleurus flagellatus* (Fabricius,1787) (Scarabaeidae) Synonym(s): *flagellatus* Fabricius,1787; *coriarius* Herbst,1789; *serratus* Fischer von Waldheim,1821; *asperatus* Mulsant,1842; *caliginosus* Balthasar,1934 Range

(in codes): MA DZ TN LY PT ES FR RU Cc AZ AM GG KG SY IT FR MA DZ TN LY EG AM IR AF PK Ch IL Pa SY TR TM TJ UZ CN Ui 01 02 06 10 11 17 27 32 35 39 46 51 65 72 65N 65Np 65Np1 65Nm

403. **Oxythyrea cinctella (Schaum,1841)** (Scarabaeidae) Synonym(s): *albella* Illiger,1802 (*praeocc.*); *cinctella* Schaum,1841; *natalia* Olsufiev,1917 Range (in codes): AL BG GR MK Cc AM GR TR SY LB IL Pa IR JO EG IQ KK KG TM UZ TJ YU MK RU PK AF CN Ui 01 03 06 07 09 10 11 12 13 15 16 17 18 19 20 22 24 26 27 31 32

33 35 37 38 39 40 42 43 44 45 48 50 51 54 56 59 60 64 65 67 73 74 76 80 12A 12Ab 13F 13G 13Gd 13Gö 13Gg 31K 31Ka 35Z 56D 56Db 56Dh 56F 56Fc 56Fp 65E 65F 65Fb 65Fd 65F1 65Fz 65K 65Kb 65Kç 65Ku 65Kz 65Kg 65N 65Np 65Nr4 65Nr6 65Nm 73A 73Ak 73D 73Df 73Dfb 73E 73H 73Ha 76A 76Ac 76D 76Dh 76Dg

404. **Scarabaeus (s.str.) pius (Illiger,1803)** (Scarabaeidae) Synonym(s): *pius* Illiger,1803; *infirmitus* Fischer von Waldheim,1823; *punctulatus* Mulsant,1842; *subsulcatus* Mulsant,1842; *digitatus* Motschulsky,1849 Range (in codes): RU Cc AM TM TJ TR HU IT YU AL GR SY IL Pa JO SY LB AF 06 07 11 14 21 26 27 32 35 40 45 48 60 63 65 76 06D 06T 21K 21O 26G 40E 48H 63D 65G 65N 65Np2 65Nm 76A 76Ac

405. **Sisyphus schaefferi (Linnaeus,1758)** (Scarabaeidae) Synonym(s): *schaefferi* Linnaeus,1758 Range (in codes): TR RU Am BG UA Cm Cc AM GG TM KP KR 01 03 06 07 11 14 22 31 32 33 35 37 38 39 40 46 48 65 67 65F 65Fd 65Fp 65Fz 65K 65Kz 65Kg 65N 65Np 65Nm

406. **Tropinota (Epicometis) hirta (Poda,1761)** (Scarabaeidae) Synonym(s): *hirta* Poda,1761; *hirtellus* Linnaeus,1767; *vestita* Say,1825; *nigrina* Mulsant,1842; *subfasciata* Mulsant,1842; *tonsa* Burmeister,1842; *crispa* Petrovitz,1971 Range (in codes): MA PT ES AL AT BE B-H BY HV CZ FR DE GR GG RO TR IR Kh Bjn Msh SY LB IL Pa Cc YU RU UA Cm KG 01 03 05 06 07 08 09 10 11 14 15 16 17 18 19 20 22 27 31 32 33 35 37 38 39 40 41 42 43 45 46 48 51 54 56 59 64 65 70 71 76 80 31K 31Ka 31M 56F 56Fs 65F 65F1 65Fd 65F2 65Fz 76D 65K 65N 65Np 65Nm 76Dh



Fig. 270 - *Gymnopleurus flagellatus* (Scarabaeidae). Gören Mt. 65Np2, 11 5 2014, M.Kemal (Cesa)



Fig. 271 - *Oxythyrea cinctella* (Scarabaeidae), anthophag. Gören Mt. 65Np5, 4 5 2014, M.Kemal (Cesa)



Fig. 272 - *Sisyphus schaefferi* (Scarabaeidae), coprophag. Gören Mt. 65Np, 10 5 2014, M.Kemal (Cesa)



Fig. 273 – “Planidium larva, probably of Strepsiptera”, kindly determined by Mr. T. Irwin, England. Gören Mt. 2160m, 65Nr2, 10 6 2014, M.Kemal (Cesa).

Tenebrionidae

A number of specimens of this family were collected by day on *Apiaceae* flowers. They havenot been identified yet.

Strepsiptera

(Fig. 273)

Some planidium larvae of *Strepsiptera* were found on an apid species (*Anthophora* ?). Members of this order is poorly known in Turkey. Therefore, further studies on this group is certainly needed.

Results

The first field studies on the Entomofauna of the Mt. Gören were realized by the authors in 2014. From late April to late June, numerous excursions are made by day and by night. The main aim was to understand the *Lepidoptera* fauna of this Mount. Separately, the contributing to the fauna of other pterygot orders was also intended. The first results obtained can be briefly explained as follows:

F a u n a:

Based upon the first observational results, totally 406 taxa of 99 families are listed from the studying area. Some of them are currently indeterminated at species level. However, there are still numerous other species, need detailed investigations.

All the mentioned taxa in this paper are new records for the Gören Mt. Some of them are also new for the Province Van, and for Turkey. These are as follows; *Tinagma anchusellum* (Benander,1936) (*Douglasiidae*), *Syncopacma polychromella* (Rebel,1902) (*Gelechiidae*), *Cleta perpusillaria* (Eversmann,1847) (*Geometridae*), *Dyscia (Calodyscia) innocentaria* (Christoph,1885) (*Geometridae*), *Lycia hirtaria* (Linnaeus,1761) (*Geometridae*), *Rhodostrophia terrestraria* (Lederer,1869) (*Geometridae*) (also new to Turkey!), *Chondrostega pastranum* Lederer,1858 (*Lasiocampidae*), *Sphingonaepiopsis gorgoniades* (Hübner,[1819]) (*Sphingidae*), *Zygaena (Mesembrynus) punctum* Ochsenheimer,1808 (*Zygaenidae*), *Chroantha ornatula* (Herrich-Schäffer,1842) (*Pentatomidae*), *Theriopectes tricolor* Zeller,1842 (*Tabanidae*), *Eriothrix rufomaculatus* (De Geer,1776) (*Tachinidae*), *Xylocopa (Copoxya) armeniaca* Warncke,1982 (*Apidae*), *Spilichneumon occisorius* (Fabricius,1793) (*Ichneumonidae*), *Chalicodoma (s.str.) parietina* (Geoffroy,1785) (*Megachilidae*), *Dasyscolia ciliata* (Fabricius,1787) (*Scoliidae*), *Bruchidius albopictus* (Allard,1883) (*Bruchidae*), *Bruchidius bimaculatus* (Olivier,1795) (*Bruchidae*), *Bruchidius quinqueguttatus* (Olivier,1795) (*Bruchidae*), *Coraebus rubi* (Linnaeus,1767) (*Buprestidae*), *Julodis andreae* (Olivier,1790) (*Buprestidae*), *Agapanthia (Agapanthiopia) coeruleipennis* Frivaldsky,1878 (*Cerambycidae*), *Dorcadion (Cribridorcadion) mnischei* Kraatz,1873 (*Cerambycidae*), *Neoplacionotus bobelayei* (Brullé,1832) (*Cerambycidae*), *Pteromallosia albolineata* (Hampe,1852) (*Cerambycidae*), *Cassida strejceki* Sekerka,2006 (*Chrysomelidae*), *Clytra (Clytraria) novempunctata* Olivier,1808 (*Chrysomelidae*), *Clytra (Ovoclytra) bodemeyeri* Weise,1900 (*Chrysomelidae*), *Entomoscelis sacra* (Linnaeus,1758) (*Chrysomelidae*), *Trichodes dilatipennis* Reitter,1893 (*Cleridae*), *Trichodes nobilis* Klug,1842 (*Cleridae*), *Anthrenus (s.str.) pimpinellae* (Fabricius,1775) (*Dermestidae*), *Lydus unicolor* Reitter,1887 (*Meloidae*), *Meloe (Taphromeloe) erythrocnemus* Pallas,1782 (*Meloidae*), *Ptilophorus dufouri* (Latreille,1817) (*Ripiphoridae*).

O b s e r v a t i o n s:

During the field studies at Gören Mt. by day and by night; observations were pictured by the first author. For this purpose, totally 227 pterygot taxa are illustrated (114 *Lepidoptera* & 113 other pterygots). Among them, 51 illustrated taxa remain indeterminated at species level. Some of them may be new to science.

Results of the behavioural illustrations of the species, used in the text, may be evaluated in the following way: Observations during [1] resting, [2] feeding, [3] copulation, [4] egg laying, [5] basking, [6] territorialism, [7] flight. The behavioural pictures used in the text are distributed according to the subjects as follows;

Resting behaviours: *Lepidoptera*: Figures 12, 17, 20, 29, 30, 32-36, 46, 48, 50-52, 54-62, 72-80, 82, 86-107, 109-113, 115, 117, 119-132, 134-143, 145, 146; *Diptera*: Figures 196, 201, 202, 204, 210, 211, 215, 221. *Coleoptera*: Figures 230.

Feeding behaviours: *Lepidoptera*: Figures 16, 18, 19, 27, 37, 49, 118, 133. *Diptera*: Figures 193, 205, 209, 214, 217. *Hymenoptera*: Figures 223-226. *Coleoptera*: Figures 227-229, 249-252, 258-261, 263-272.

Copulation behaviours: *Lepidoptera*: Figures 15, 24, 39, 47, 53, 114, 144. *Hemiptera*: Figures 163, 181. *Diptera*: Figures 203, 208, 209, 213, 216, 222. *Coleoptera*: Figures 237, 248, 256, 257.

Egg laying: *Lepidoptera*: Fig.23. Basking: *Lepidoptera*: Figures 25, 26, 28, 38, 43. Territorialism: *Lepidoptera*: Figures 40-42. Flight: *Coleoptera*: Fig. 243.

Most of the species were observed and photographed in adult stage. A few of them were also recorded in nymphal (Figs. 155, 157, 160, 161), larval stages (Figs. 44, 83-85, 108), and a sack (Fig.116). Some predators were pictured during feeding their preys (Figs. 154, 197-200, 209).

Entomofloristically, numerous flowering plants were recorded in the area for the first time via photography. As a result of this, a number of species or genera of 14 plant families associated with the pterygot insects are reported here: *Apiaceae* (Fig. 226), *Apiaceae: Prangos* (Figs. 235-237), *Aristolochiaceae: Aristolochia bottae* (Fig. 44), *Asteraceae* (Figs. 49, 249), *Asteraceae: Achillea* (Fig.133, 251), *Asteraceae: Anthemis* (Figs. 118, 220), *Asteraceae: Carduus* (Fig. 258), *Asteraceae: Gundelia tournefortii* (Figs. 181, 264), *Asteraceae: Tragopogon* (Figs. 19, 219, 259), *Boraginaceae: Anchusa* (Figs. 10, 60), *Brassicaceae: Aethionema* (Fig. 252), *Brassicaceae: Cardaria draba* (Figs. 193, 217, 227-229, 266, 267), *Campanulaceae: Campanula* (Fig. 223, 265), *Dipsacaceae* (Figs. 205, 214, 250), *Euphorbiaceae: Euphorbia* (Figs. 108, 241, 257), *Fabaceae: Astragalus* (Fig. 83), *Fabaceae: Onobrychis armeniaca* (Fig. 23), *Fabaceae: Onobrychis cornuta* (Fig. 22), *Fabaceae: Vicia* (Fig. 10), *Geraniaceae: Geranium* (Fig. 45), *Lamiaceae* (Figs. 57, 263), *Lamiaceae: Thymus* (Figs. 18, 224), *Linaceae: Linum* (Figs. 206, 207, 260, 268), *Ranunculaceae: Ranunculus* (Figs. 261, 269), *Scrophulariaceae: Verbascum* (Figs. 52, 255).

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